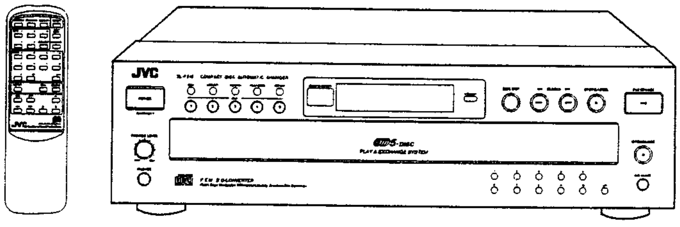
JVC

SERVICE MANUAL

COMPACT DISC AUTOMATIC CHANGER

XL-F115TN/XL-F116BK
XL-F215TN/XL-F216BK

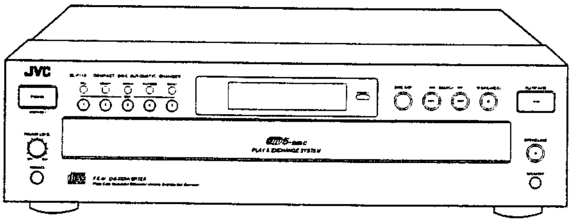
XL-F215TN/XL-F216BK



COMPACT disc DIGITAL AUDIO

COMPU LINK Remote Control Component

XL-F115TN/XL-F116BK



COMPACT disc DIGITAL AUDIO

COMPU LINK Component

Area Suffix	
BS	the U.K.
C	Canada
EF	Continental Europe
EN	Scandinavia
G	Germany
J	the U.S.A.
UT	Taiwan
U	Other Area

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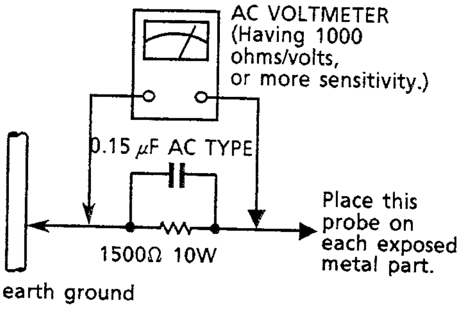
No. 20485
Jun. 1994

Safety Precautions

1. The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute repalcement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage currnet check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, contorl shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and meausre the AC voltage across the resistor.
     Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

Important for Laser Products

1. CLASS 1 LASER PRODUCT
2. DANGER : Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.
4. CAUTION : The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.
5. CAUTION : If safety switches malfunction, the laser is able to function.
6. CAUTION : Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

VARNING : Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

ADVARSEL : Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

ADVARSEL : Usynlig laserstråling ved åpning, når sikkerhetsbryteren er avslott. unngå utsettelse for stråling.

REPRODUCTION AND POSITION OF LABELS

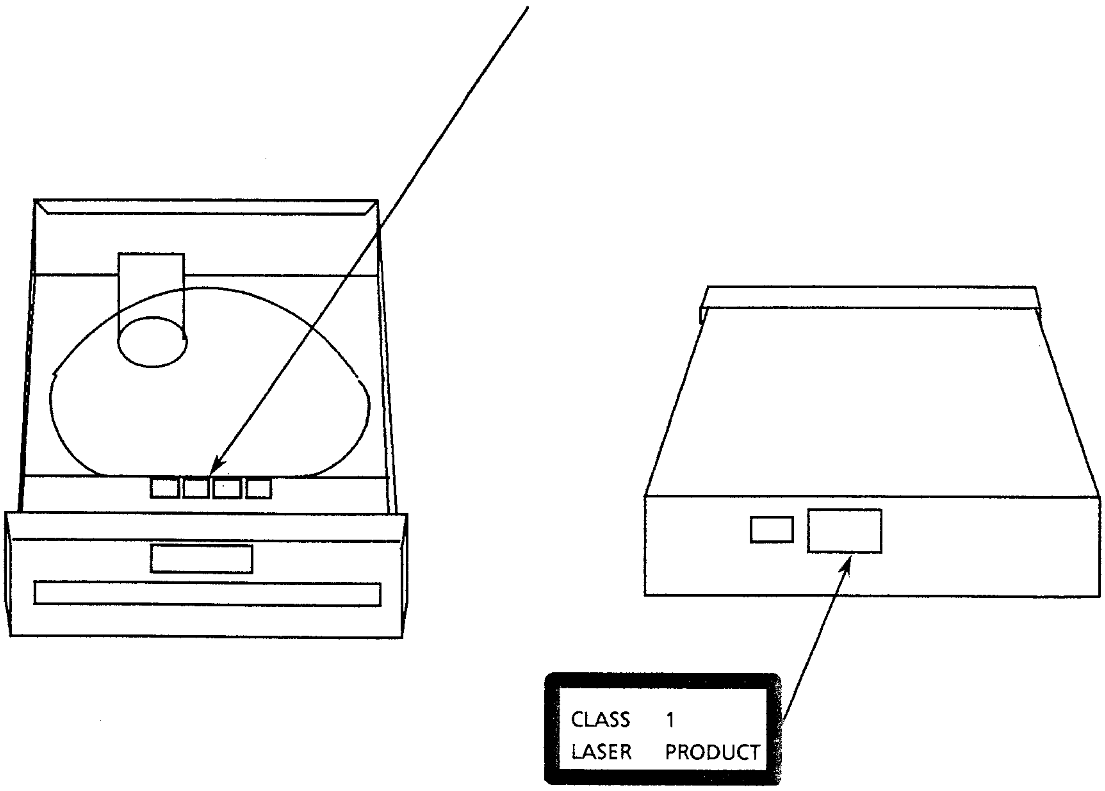
WARNING LABEL
(Except for the U. S. A.)

DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)

ADVARSEL: Usynling laserstråling ved åbning, når sikkerhedsafbrydere er ude at funktion. Undgåudsættelse for stråling. (d)

VARNING: Osynling laserstråling når denna del å öppnad och spårren år urkoppled. Betrakta ej stålen. (s)

VARO: Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)



CLASS 1
LASER PRODUCT

CLASSIFICATION LABEL
(Except for the U. S. A. and Canada)

INTRODUCTION

Precautions

Load compact discs only

Never insert anything other than compact discs into any part of the player.

If a problem persists

If something goes wrong, turn off the power immediately. If the same problem reoccurs when the power is turned on once more, turn off the power again and consult your JVC dealer.

Handling the power cord

When unplugging from the wall socket, always pull the plug body, never the power cable.

Volume settings

A CD player has almost zero background noise. Because of this, the technique of listening to the background level and then setting the volume before the music starts, as used with analog turntables or tape decks, cannot be used. If you raise the volume level too high, speaker damage may result.

Condensation

The CD player uses optical components. If it is moved from a cold location to a warm one, or is used in a room subject to excessive humidity or where a fire has just been lit, condensation could form on the optical components.
This may prevent the laser beam from being properly transmitted and thus causes noise or even a malfunction.
If condensation has formed and the CD player does not function correctly, we recommend that you leave it turned on for an hour or two. If at the end of this time the CD player still does not function properly, please consult your JVC dealer.

Transporting the unit

When carrying this unit, it is best to avoid either tilting it or turning it upside-down. Where you cannot avoid doing so, please remove the discs first.

Using compact discs

Compact discs are made of plastic and can easily be damaged. If the disc is dirty, scratched, warped or otherwise damaged, the digital information may not be picked up correctly.

Applicable discs

This unit can only be used with compact discs bearing the mark below. Never use discs of other types.

COMPACT
disc
DIGITAL AUDIO

About this manual

This manual covers the operating instructions for the compact disc automatic changers XL-F215TN and XL-F115TN.
There are several functions which require separate instructions for each model. Please check the model number stated on the carton box and follow the descriptions applicable to your unit.
Especially, please note that the remote control unit RM-SX215U is supplied only with XL-F215TN. For XL-F115TN, ignore all the descriptions on the remote control unit.

This manual is organized as follows:

The first part, "INTRODUCTION", gives you the precautions when using this unit, and shows you the names of buttons on the main unit and the remote control unit.

The second part, "BEFORE USING FOR THE FIRST TIME", tells you what kind of operations you should do before playing discs. This part describes where to place the unit for best results, how to install batteries in the remote control unit and how to connect this unit to the amplifier/receiver and other components.

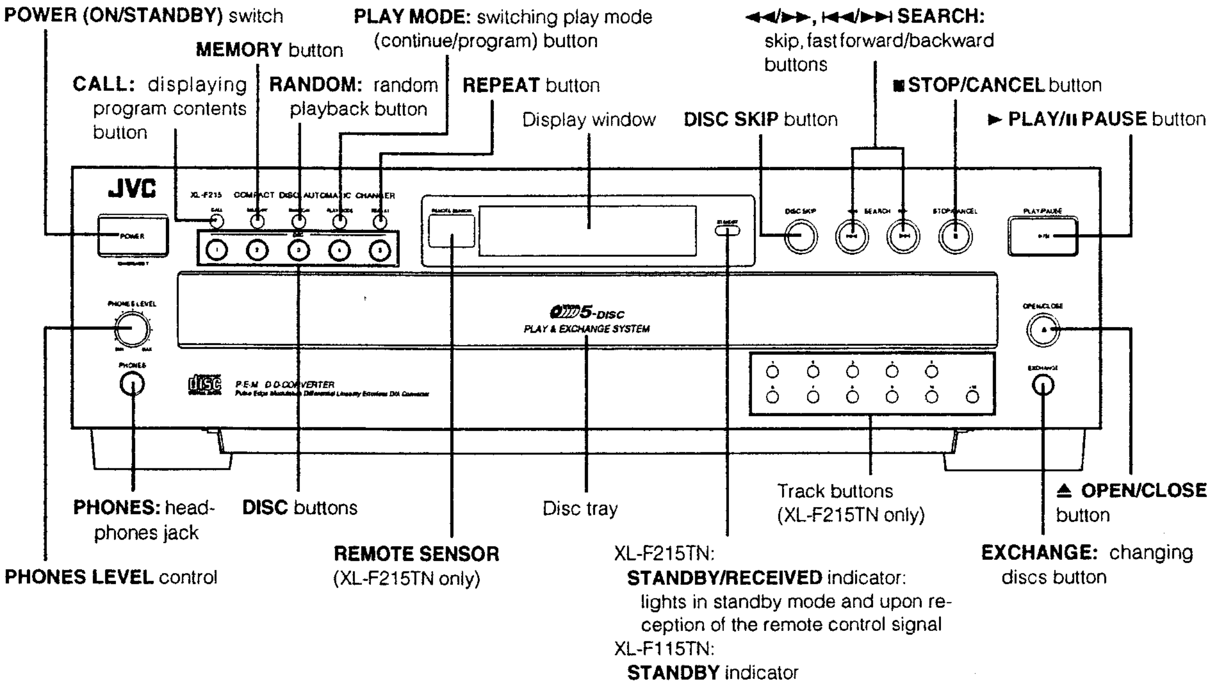
The third part, "BASIC OPERATIONS", describes how to load discs, and convenient basic functions for playing discs.

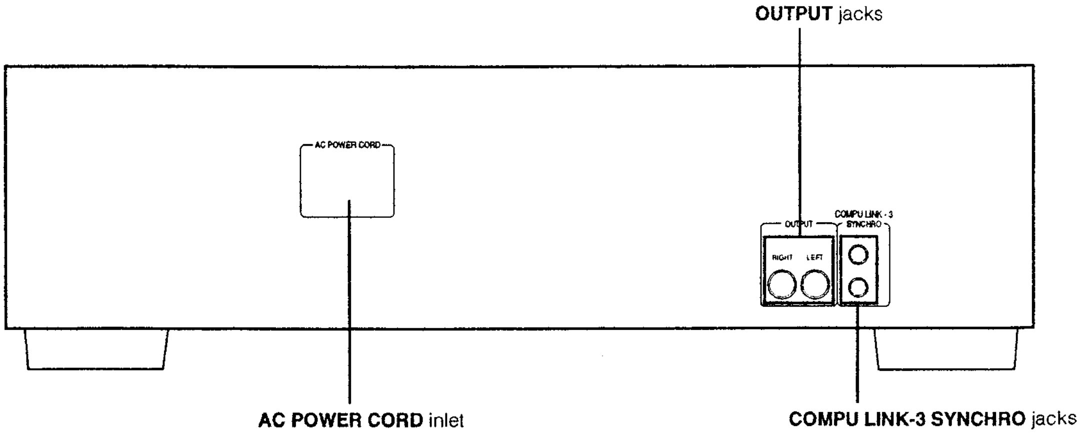
The fourth part, "VARIOUS PLAYBACK PATTERNS", describes various functions for playing discs, and convenient functions for recording.

The fifth part, "GENERAL INFORMATIONS", describes the COMPU LINK remote control system which facilitates various operations between JVC components, and explains how to take care of discs.
This part also includes "Troubleshooting", which tells you how to check the unit when a malfunction occurs, and the technical informations regarding this unit.

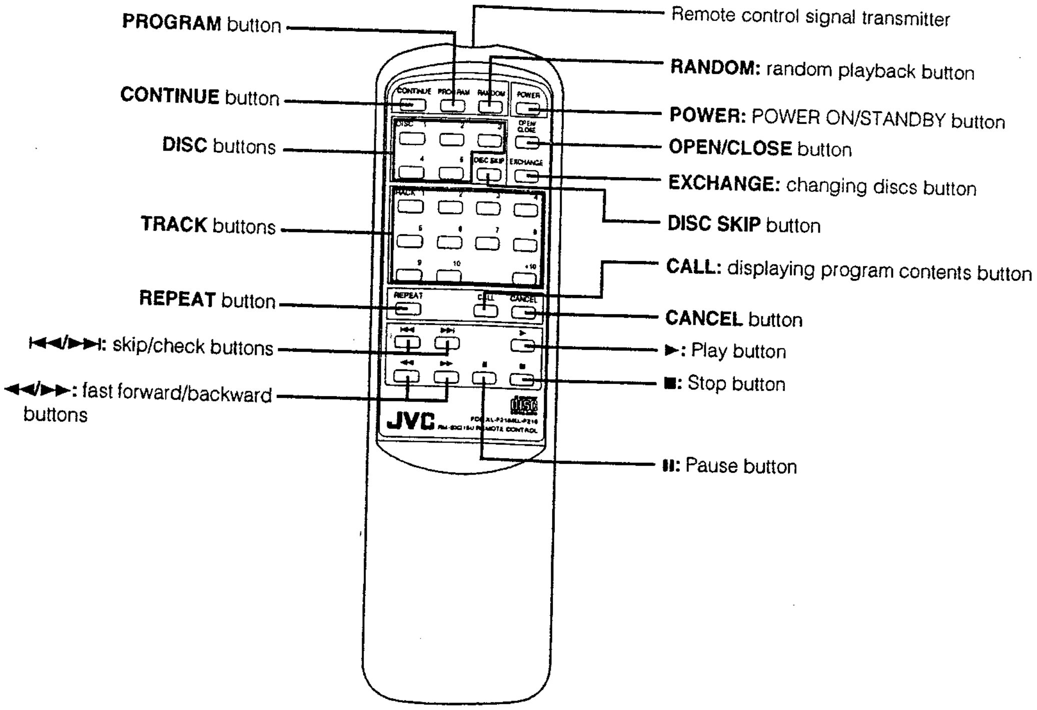
Names of buttons

Main unit

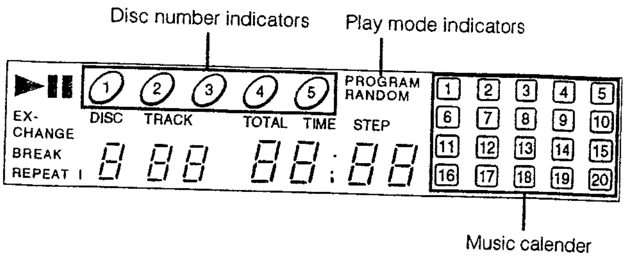

POWER (ON/STANDBY) switch
MEMORY button
CALL: displaying program contents button
RANDOM: random playback button
PLAY MODE: switching play mode (continue/program) button
REPEAT button
Display window
DISC SKIP button
◄◄/►►, I◄◄/►►I **SEARCH:** skip, fast forward/backward buttons
■ **STOP/CANCEL** button
► **PLAY/II PAUSE** button
JVC
XL-F215 COMPACT DISC AUTOMATIC CHANGER
5-DISC PLAY & EXCHANGE SYSTEM
P.E.M. DD CONVERTER
PHONES: headphones jack
PHONES LEVEL control
DISC buttons
REMOTE SENSOR (XL-F215TN only)
Disc tray
XL-F215TN: **STANDBY/RECEIVED** indicator: lights in standby mode and upon reception of the remote control signal
XL-F115TN: **STANDBY** indicator
Track buttons (XL-F215TN only)
▲ **OPEN/CLOSE** button
EXCHANGE: changing discs button


OUTPUT jacks
AC POWER CORD
OUTPUT
RIGHT
LEFT
COMPU LINK-3 SYNCHRO
AC POWER CORD inlet
COMPU LINK-3 SYNCHRO jacks

Remote control unit (for XL-F215TN)


PROGRAM button
CONTINUE button
DISC buttons
TRACK buttons
REPEAT button
◄◄/►►|: skip/check buttons
◄◄/►►: fast forward/backward buttons
Remote control signal transmitter
RANDOM: random playback button
POWER: POWER ON/STANDBY button
OPEN/CLOSE button
EXCHANGE: changing discs button
DISC SKIP button
CALL: displaying program contents button
CANCEL button
►: Play button
■: Stop button
II: Pause button
JVC

Display window


Disc number indicators
Play mode indicators
1
2
3
4
5
PROGRAM
RANDOM
EX-CHANGE
BREAK
REPEAT
DISC
TRACK
TOTAL
TIME
STEP
1 2 3 4 5
6 7 8 9 10
11 12 13 14 15
16 17 18 19 20
Music calender

Notes on the disc number indicators

- When the power is turned on or the disc tray is closed with the ▲ OPEN/CLOSE button, the unit searches for loaded discs starting from the disc tray 1. When no disc is loaded, the disc number disappears from the display and unit goes on searching for the next tray.
- When no disc is loaded in the unit, "no disc" appears on the display.
- In continue play mode, when playback of one disc is finished, the circle around the corresponding disc number disappears.
- In program mode, circle appears around the disc number selected at that moment.
- When the EXCHANGE button is pressed, the indication of the disc numbers is reset to the original status and all the disc numbers (1-5) with their circle appear on the display.

BEFORE USING FOR THE FIRST TIME

Installing the unit

Best location

Select a location which is level, dry and neither too cold nor too hot (temperature range 5°C (41°F) to 35°C (95°F)). Also, avoid dusty locations or any location subject to vibration.

If interference occurs

If this unit is placed near a tuner or a radio receiver tuned to AM frequencies, interference may occur. If this happens, we recommend either that you move this unit as far away as possible from the tuner or receiver or briefly turn off the power to this unit.

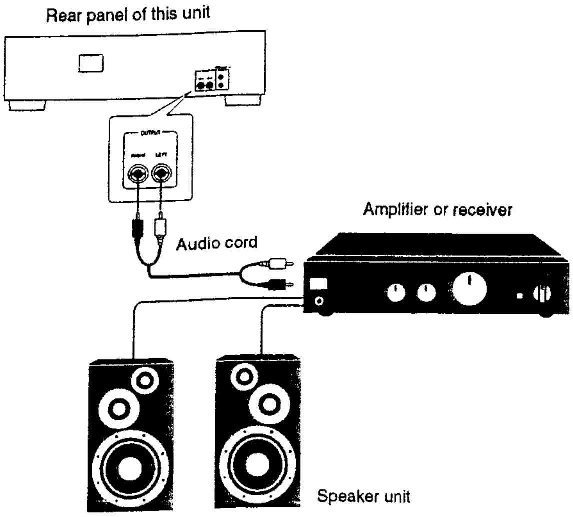
Connecting to other equipments

Connecting to an amplifier or receiver allows you to listen to the sound from the speakers.

Connect the OUTPUT jacks of this unit to the line input jacks of an amplifier or receiver with the supplied audio cord.

Notes

- *Never connect the OUTPUT jacks to the PHONO jacks of the amplifier or receiver. This may cause damage to the components.*
- *Make sure that the same channels are connected between this unit and the amplifier or receiver: LEFT to LEFT and RIGHT to RIGHT.*
- *Do not connect the power plug until all connections are complete.*
- *Connect the plugs firmly. Loose connections may cause noise or malfunction.*

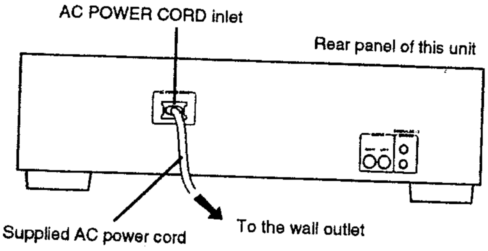


Supplying the power

To connect the AC power cord of the main unit

The AC power cord is supplied separately and must be connected to the unit.
Plug the AC power cord into the AC POWER CORD inlet of this unit and connect to the wall outlet after all connections are complete.

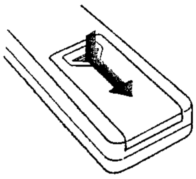
Note
When using the COMPU LINK Remote Control System, do not connect the power cord to the SWITCHED AC OUTLET of an amplifier or receiver.



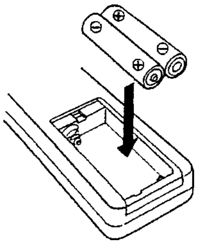
To install the batteries in the remote control unit (for XL-F215TN)

Before operating the remote control unit, install two batteries.

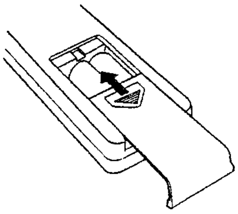
1. **Remove the rear cover of the remote control unit by pressing down and simultaneously pulling it backwards.**



2. **Install batteries. Be sure that the batteries are installed with correct polarity, (+) and (–).**



3. **Attach the rear cover by sliding it back into position.**



Notes
Incorrect use of batteries can cause corrosion or damage. Note the following points to lengthen battery life.

- *Install batteries observing the correct polarity, (+) and (–).*
- *Do not use new and old batteries simultaneously.*
- *Batteries with similar shapes may have different voltage ratings. Be sure to use the correct batteries.*
- *Remove batteries from the remote control unit if it will not be used for a long period of time.*
- *Do not expose batteries to heat or flame.*

Battery replacement

Service life of batteries depends on the condition of use; standard life is about one year. When the batteries become weak, the operating distance of the remote control unit becomes short . If this happens, replace the batteries (1.5 V, UM-3D, size AA) with new ones.

Note
- *The lower the temperature, the shorter the battery life.*

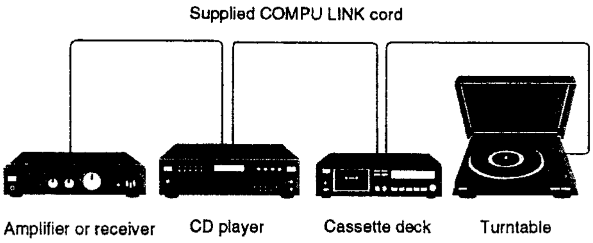
COMPU LINK connection

JVC's COMPU LINK Remote Control System provides unified control over system components connected with COMPU LINK. Connecting JVC audio components with the COMPU LINK jacks automatically controls relative operations between components and facilitates various operations. With the COMPU LINK connection to an amplifier or receiver, you can operate XL-F215TN/XL-F115TN with the amplifier or receiver's remote control unit. Synchronized recording is also available with this feature.

Connecting the COMPU LINK cord

The COMPU LINK-3 SYNCHRO jacks are used to output and input the control signal for the COMPU LINK remote control system.
COMPU LINK-compatible products are provided with the jacks marked COMPU LINK-1, COMPU LINK-2 or COMPU LINK-3, referring to the COMPU LINK version. XL-F215TN/XL-F115TN is equipped with COMPU LINK-3. You can connect XL-F215TN/XL-F115TN also to a component with lower COMPU LINK versions. But, in that case, only the lower versions' features will be available.
Plug the supplied COMPU LINK cord into the COMPU LINK-3 SYNCHRO jack on the rear panel of XL-F215TN/XL-F115TN. Plug the other end into the COMPU LINK jack of the other component. If there are two COMPU LINK jacks, plug it into either of them.

Connecting the COMPU LINK system components with the COMPU LINK cords

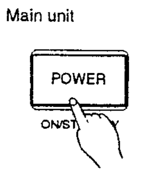


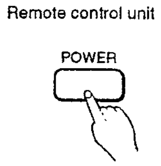
BASIC OPERATIONS

Basic functions for disc playback

Turning on the power of this unit

Press the POWER switch to turn on this unit. The STANDBY indicator is turned off and the display is turned on.





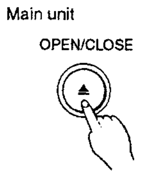
Press again to turn off the power and activate the standby mode. The STANDBY indicator is lit.

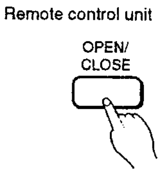
The power is automatically turned on also by;
- Pressing the ⏏ OPEN/CLOSE button.
- Pressing the ► PLAY/❚❚ PAUSE button on the main unit or the ► button on the remote control unit.

Notes
- *A small amount of power (4 watts) is consumed even in the standby mode.*
- *To turn off the power completely, disconnect the power cord from the wall outlet.*

Loading discs in the disc tray

Use the ⏏ OPEN/CLOSE button to open and close the disc tray.





1. **Open the disc tray by pressing the ⏏ OPEN/CLOSE button.**
2. **Place discs on the disc tray according to the groove with their label side up.**
3. **Close the disc tray by pressing the ⏏ OPEN/CLOSE button.**

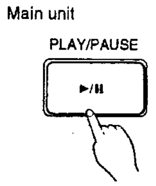
CAUTION
When loading discs in the disc tray, be sure to put the discs according to the groove. Otherwise, the discs will be damaged when the disc tray is closed, and cannot be removed from the unit.

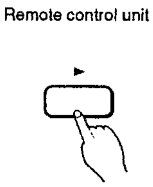
Remote control operation (for XL-F215TN)

Point the remote control unit towards the REMOTE SENSOR and operate it steadily and carefully. The remote control unit can be used within a range of about 7 meters (23 feet) from the REMOTE SENSOR, and at angles of up to about 30 degrees.

Playing a disc

Press the ► PLAY/❚❚ PAUSE button on the main unit or the ► button on the remote control unit.





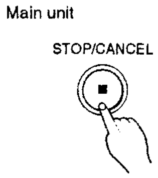
The ► indicator lights on the display and playback starts.

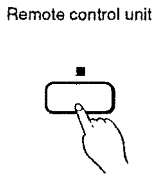
To stop playback temporarily, press the ► PLAY/❚❚ PAUSE button on the main unit or the ❚❚ button on the remote control unit.
The ❚❚ indicator lights on the display and playback stops temporarily.
To resume playback, press the ► PLAY/❚❚ PAUSE button on the main unit or the ► button on the remote control unit.

Adjusting the headphones level
Insert the headphones plug into the PHONES jack and turn the PHONES LEVEL control to adjust the volume level.

Stopping playback

Press the ■ STOP/CANCEL button on the main unit or the ■ button on the remote control unit.

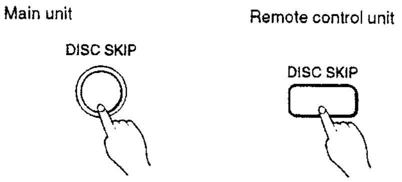




Locating a point to start playback

Skipping to a desired disc

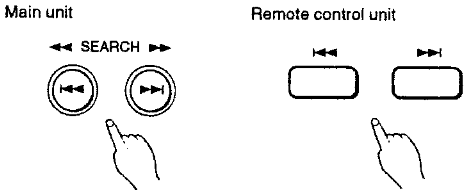
Use the DISC SKIP button.


Main unit
Remote control unit
DISC SKIP
DISC SKIP

Each time the DISC SKIP button is pressed, the selected disc number switches from 1 to 5, then back to 1.

Skipping to a desired track

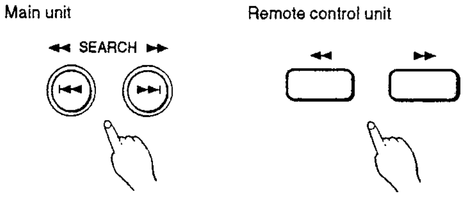
Use the ⏮/⏭ buttons.


Main unit
Remote control unit
◄◄ SEARCH ►►
⏮
⏭

To skip back to the beginning of the track being played, tap the ⏮ button. When the beginning of the track is reached, tapping this button again skips to the previous track.
To skip to the next track, tap the ⏭ button.
When using the ⏮/⏭ SEARCH buttons on the main unit, tap them until the desired track appears.

Searching for a desired section

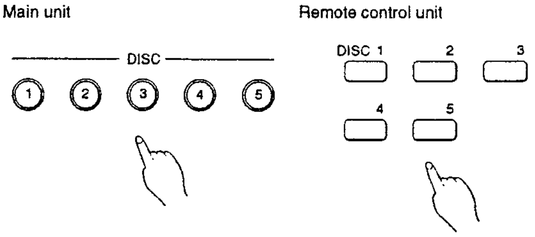
Keep the ◄◄/►► button pressed during playback.


Main unit
Remote control unit
◄◄ SEARCH ►►
◄◄
►►

Playback advances or reverses rapidly.
While the ◄◄ button is kept pressed, playback rapidly reverses toward the beginning of the track. While the ►► button is kept pressed, playback rapidly advances toward the end of the track. When the desired section is reached, release the button. The player resumes normal playback from that point.

Specifying a desired disc

Use the DISC buttons (1-5).


Main unit
Remote control unit
DISC
1
2
3
4
5
DISC 1
2
3
4
5

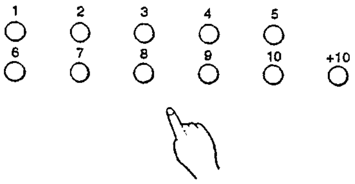
To select a disc, press the desired disc number (1-5). The unit searches for the selected disc and playback starts automatically.

Note
If no disc is loaded in the selected disc tray, the indicator of that disc is turned off within about 4 seconds and then playback starts from the next disc.

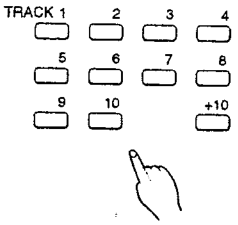
Specifying a desired track (for XL-F215TN)

To specify the desired track number, use the track buttons (1-10, +10).

Main unit



Remote control unit



The unit searches for the selected track and playback starts automatically.
When selecting track number 10 or less, press the corresponding track button. When selecting track number 11 or above, use the [+10] button.
Example: To select track number 12, press [+10] and then [2].
To select track number 25, press [+10] twice and then [5].
To select track number 30, press [+10] twice and then [10].

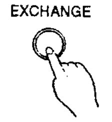
Note
If the selected track number does not exist on the selected disc, playback starts from the first track on that disc.

Changing discs during playback

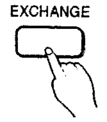
During playback of a disc, you can change other discs in the disc tray without stopping playback.

Press the EXCHANGE button. The disc tray opens and you can change the discs inside.

Main unit



Remote control unit



To change the discs loaded in the far end of the disc tray, press the DISC SKIP button to make the disc tray rotate.
After changing the discs, press the EXCHANGE button again to close the disc tray.

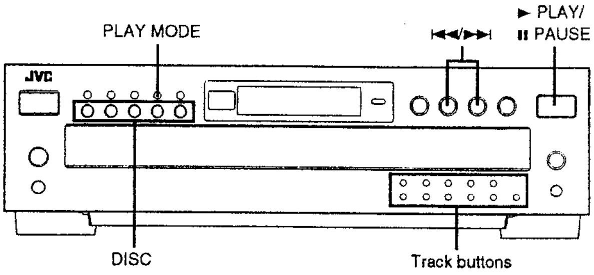
It is also possible to change the discs during program playback or random playback, following the above procedure.

Note
When the disc tray is opened by pressing the EXCHANGE button, it is not possible to close it by pushing it back with hand. Press the EXCHANGE button again to close the tray.

VARIOUS PLAYBACK PATTERNS

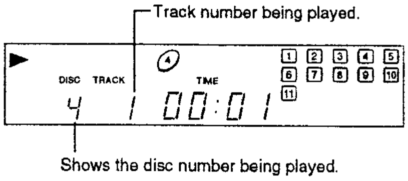
Playing tracks in a order of track/disc number

You can continuously play all the loaded discs, starting from any track on any disc.


PLAY MODE
► PLAY/
❚❚ PAUSE
⏮/⏭
JVC
DISC
Track buttons

1. **Press the PLAY MODE button on the main unit or the CONTINUE button on the remote control unit so that both the PROGRAM and RANDOM indicators are turned off on the display.**
   When you want to play from a desired disc or track, go to step 3.

2. **Press the ► PLAY/❚❚ PAUSE button on the main unit or the ► button on the remote control unit to start playback.**
   Playback starts from the previously selected disc.
   If the disc tray is not closed, pressing the ► PLAY/❚❚ PAUSE button closes the disc tray and then starts playback.
   The following display appears.

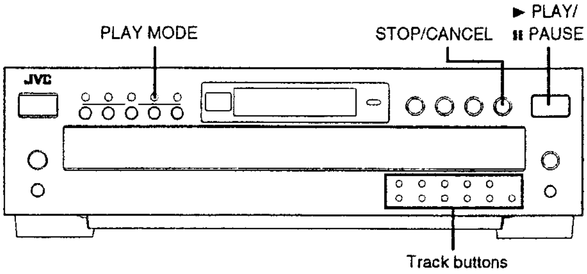

Track number being played.
►
DISC
TRACK
TIME
4
1
1 00:01
1 2 3 4 5 6 7 8 9 10 11
Shows the disc number being played.

3. **Use the DISC button to select the disc number which contains the first track to be played.**
   When you want to play from the first track on the selected disc, it is not necessary to select the track number.

4. **Select the track number with the ⏮/⏭ buttons or, for XL-F215TN, the track buttons.**
   The selected track number appears on the display and playback starts from the selected track automatically.

Playing tracks in a desired order

You can play only the favorite tracks in any desired order.

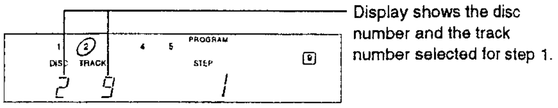

PLAY MODE
STOP/CANCEL
► PLAY/
❚❚ PAUSE
JVC
Track buttons

1. **In stop mode, press the PLAY MODE button on the main unit or the PROGRAM button on the remote control unit so that the PROGRAM indicator lights on the display.**

2. **Select the disc which contains the track to be programmed with the DISC button.**
   "AL" (all tracks) appears on the display.

   To program the entire disc
   Skip step 3 below. When the track number is not specified after selecting the disc number, all tracks on the selected disc are programmed.

3. **For XL-F215TN, select the track number by pressing the track buttons. For XL-F115TN, select the track number by pressing the ⏮/⏭ SEARCH button and then the MEMORY button.**
   Refer to "Specifying a desired track" on page 9 for entering the track number. For XL-F115TN, press the MEMORY button with the desired track number shown on the display.
   When the selected track number is programmed, the following display appears.


Display shows the disc number and the track number selected for step 1.
1 2 4 5
PROGRAM
DISC
TRACK
STEP
9
2
9
1

- If you want to cancel the displayed program step, press the ■ STOP/CANCEL button on the main unit or the CANCEL button on the remote control unit and then enter the new disc number and/or track number.

4. **Repeat steps 2 and 3 for other tracks and/or discs to be programmed.**
   You can program up to 32 steps.

5. **Start playback by pressing the ► PLAY/❚❚ PAUSE button on the main unit or the ► button on the remote control unit.**
   The programmed tracks and/or discs are played in the programmed order.

- You can skip to a desired program step with the ⏮/⏭ button.
- When the DISC SKIP button is pressed during program play, the playback skips to the next programmed disc.

To check the program contents

Press the CALL button during stop mode. Each time the CALL button is pressed, the program contents are displayed in the programmed order.

- When the unit is in program play mode, press the ■ button to enter stop mode and then operate the CALL button.

To modify the program contents

Press the CALL button until the display shows the program step to be corrected. Enter the new disc number and/or track number referring to steps 2 and 3 above.

To delete a program step, press the CALL button until the display shows the program step to be deleted and then press the ■ STOP/CANCEL button on the main unit or the CANCEL button on the remote control unit. You can also delete a displayed program step during programming.

- When the unit is in program play mode, press the ■ button to enter stop mode and then delete the program step.

To add discs/tracks to the program during program playback

Specify the disc number by pressing the DISC button and, with XL-F215TN, the track number by pressing the track buttons.

The specified disc/track is added to the end of the program being played back.

- For XL-F115TN, only the disc number can be specified and the entire disc is added to the program. For this operation, it is not possible to utilize the ⏮/⏭ SEARCH buttons.

To exit program mode

Press the PLAY MODE or RANDOM button on the main unit, or the CONTINUE or RANDOM button on the remote control unit, and the program mode is cancelled. However, the program contents are not erased and, whenever the program mode is selected, you can play the tracks in programmed order.

To clear the program

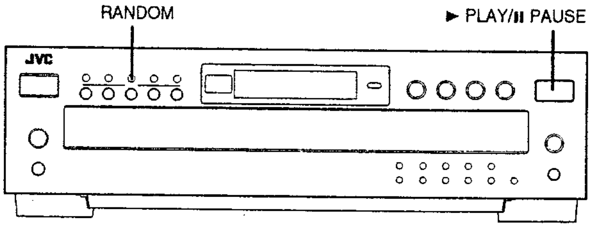
In stop mode, press the ■ STOP/CANCEL button on the main unit repeatedly. The program contents will be cleared step by step.

To clear the entire program, press the ⏏ OPEN/CLOSE button on the main unit in stop mode. The program contents will be entirely cleared, however, the program mode is not cancelled.

Playing tracks in a random order

You can select and play tracks in random order from all the discs loaded in the unit.

Selections are made so that each track is played only once.



1. **In stop mode, press the RANDOM button so that the RANDOM indicator lights on the display.**
2. **Press the ► PLAY/II PAUSE button on the main unit or the ► button on the remote control unit to start playback.**

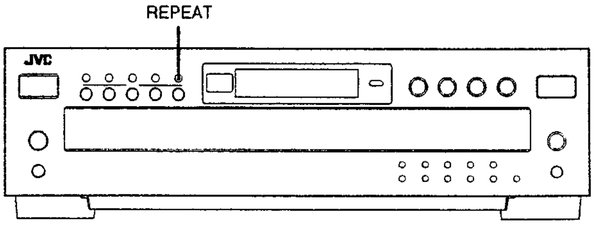
- To skip to the track to be played next, press the ⏭ button.

To cancel random playback

In stop mode, press the PLAY MODE button on the main unit or the CONTINUE or PROGRAM button on the remote control unit. The RANDOM indicator goes out and the random playback is cancelled.

Playing repeatedly

You can repeatedly play all discs or one track.
It is also possible to utilize this function in combination with random/program playback function.



Repeating all discs

Press the REPEAT button so that the REPEAT indicator lights on the display.

All discs loaded in the unit are played repeatedly.
In program mode, the program contents are played repeatedly.

Repeating one track

Press the REPEAT button so that the REPEAT 1 indicator lights on the display.

The displayed track is played repeatedly.

To cancel repeat mode

Press the REPEAT button so that both the REPEAT and REPEAT 1 indicators go out.

GENERAL INFORMATIONS

COMPU LINK remote control system

The COMPU LINK Remote Control System controls relative operations between components automatically and facilitates various operations.

COMPU LINK
////Remote////
Control System

This is a system originated and developed by JVC for facilitating various system operations.
The following is a brief explanation of this system:

Automatic source selection

When the supplied COMPU LINK cord is utilized to connect this unit to others equipped with COMPU LINK jacks, switching-in of each system component can be performed with a single touch on the source selector button located on a JVC amplifier or receiver.
When selection is carried out in this manner, the corresponding unit will automatically start operation.
Upon pressing of the play button, the source selector of the amplifier or receiver changes automatically. When a new unit is switched in, the previously selected component stops operation within five seconds.

Synchronized recording

Synchronized recording refers to the process in which a JVC cassette deck starts recording, synchronized with this unit. Synchronized recording is carried out as follows:

1. Set the cassette deck to the recording pause mode in accordance with its instructions.
2. To record only certain tracks, program the tracks in any order, as desired.
3. Press the ► PLAY/II PAUSE button on the front panel of this unit. The cassette deck automatically starts recording, synchronized with this unit.

Notes

- *Synchronized recording stops automatically when this unit stops playback.*
- *To cancel synchronized recording, press the stop button of this unit or the cassette deck.*
- *To properly operate the synchronized recording, the buttons/controls other than POWER, ■ STOP and OPEN do not function.*
- *If the recording pause mode is set on the cassette deck by pressing the II PAUSE button after pressing the ● REC and ► PLAY buttons simultaneously, synchronized recording is not possible. For details, refer to the instructions for the cassette deck.*

Automatic power on/off function

This function is to control the power on/off of the receiver/amplifier or this unit respectively as the following.

- When this unit enters playback mode, the power of the receiver or amplifier is turned on.
- When the source selector of the receiver/amplifier is set to CD function mode, the power of this unit is turned on.

Notes

- *Abnormal operation may result if the power supply of the component(s) is interrupted. If this happens, you must start over again.*
- *Ensure that the COMPU LINK jacks of the each components are connected with the supplied COMPU LINK cord. Also, be sure to fully read the instructions for each component.*
- *When the power of the amplifier or receiver is switched off, this unit is also turned off automatically.*

Specifications

General

Format:	Compact disc digital audio
Signal detection system:	Non-contact optical detection
CD capacity:	5 discs
Sampling frequency:	44.1 kHz
Power requirements:	AC 120 V ∿ , 60 Hz
Power consumption:	18 watts
Dimensions (W x H x D):	435 x 128 x 391 mm (17-1/8 x 5-1/16 x 15-3/8 inches)
Weight:	5.2 kg (11.5 lbs)

Audio performance

Frequency response:	2 Hz to 20,000 Hz (±1 dB)
Dynamic range:	More than 98.0 dB (at 1 kHz)
Signal to noise ratio:	More than 107.0 dB
Total harmonic distortion:	Less than 0.0022% (at 1 kHz)
Channel separation:	More than 94.0 dB (at 1 kHz)
Wow and flutter:	Below the measurable limit
Output level:	2.0 Vrms (at full scale)

Accessories

AC power cord	1
Audio cord	1
COMPU LINK cord	1
Remote control unit (RM-SX215U) (XL-F215TN only)	1
Battery (UM-3D/AA) (XL-F215TN only)	2

Design and specifications subject to change without notice.

Specifications

General

Format:	Compact disc digital audio
Signal detection system:	Non-contact optical detection
CD capacity:	5 discs
Sampling frequency:	44.1 kHz
Power requirements	
U.S.A. and Canada	AC 120 V ∿ , 60 Hz
Continental Europe:	AC 230 V ∿ , 50 Hz
United Kingdom:	AC 240 V ∿ , 50 Hz
Power consumption:	18 watts
Dimensions (W x H x D):	435 x 128 x 391 mm (17-1/8 x 5-1/16 x 15-3/8 inches)
Weight:	5.2 kg (11.5 lbs)

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Accessories

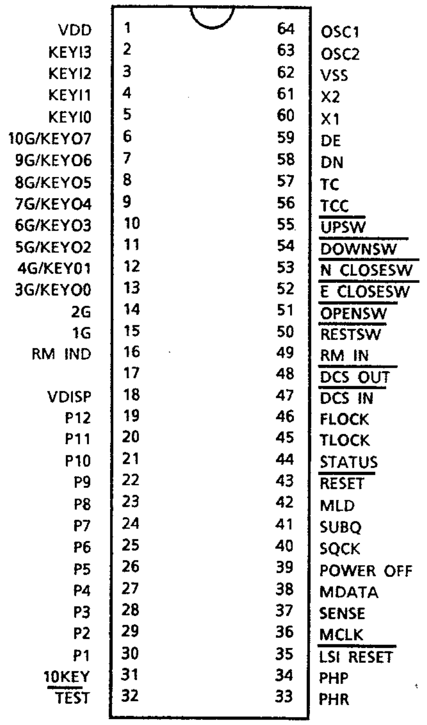
AC power cord	1
Audio cord	1
COMPU LINK cord	1
Remote control unit (RM-SX215U) (XL-F216BK only)	1
Battery (UM-3D/AA) (XL-F216BK only)	2

Design and specifications subject to change without notice.

Descripion of ICs

■ MN171602 (IC201) : SYSTEM CONTROLLER

1. Terminal Layout


VDD 1
KEYI3 2
KEYI2 3
KEYI1 4
KEYI0 5
10G/KEYO7 6
9G/KEYO6 7
8G/KEYO5 8
7G/KEYO4 9
6G/KEYO3 10
5G/KEYO2 11
4G/KEY01 12
3G/KEYO0 13
2G 14
1G 15
RM IND 16
17
VDISP 18
P12 19
P11 20
P10 21
P9 22
P8 23
P7 24
P6 25
P5 26
P4 27
P3 28
P2 29
P1 30
10KEY 31
TEST 32
64 OSC1
63 OSC2
62 VSS
61 X2
60 X1
59 DE
58 DN
57 TC
56 TCC
55 UPSW
54 DOWNSW
53 N CLOSESW
52 E CLOSESW
51 OPENSW
50 RESTSW
49 RM IN
48 DCS OUT
47 DCS IN
46 FLOCK
45 TLOCK
44 STATUS
43 RESET
42 MLD
41 SUBQ
40 SQCK
39 POWER OFF
38 MDATA
37 SENSE
36 MCLK
35 LSI RESET
34 PHP
33 PHR

2. Key Matrix (★MARK: not use for XL-F115TN/XL-F116BK)

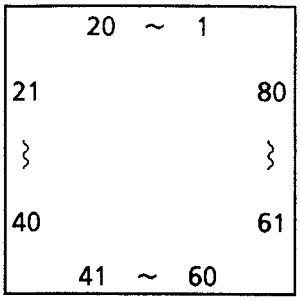
	KEY IN 0	KEY IN 1	KEY IN2	KEY IN3
KEY OUT 0	⏏ (S701)	DISC SKIP (S702)	▶/II (S703)	■ (S704)
KEY OUT 1	--	⏮ (S705)	--	⏭ (S706)
KEY OUT 2	DISC5 (S728)	REPAT (S730)	DISC4 (S729)	PLAY MODE (S731)
KEY OUT 3	DISC3 (S724)	RANDOM (S726)	DISC1 (S725)	CALL (S727)
KEY OUT 4	DISC2 (S721)	MEMORY (S722)	--	POWER (S723)
KEY OUT 5	EXCHANGE (S707)	+10 (S708) ★	5 (S709) ★	10 (S710) ★
KEY OUT 6	1 (S711) ★	3 (S712) ★	6 (S713) ★	8 (S714) ★
KEY OUT 7	2 (S715) ★	4 (S716) ★	7 (S717) ★	9 (S718) ★

3. Description

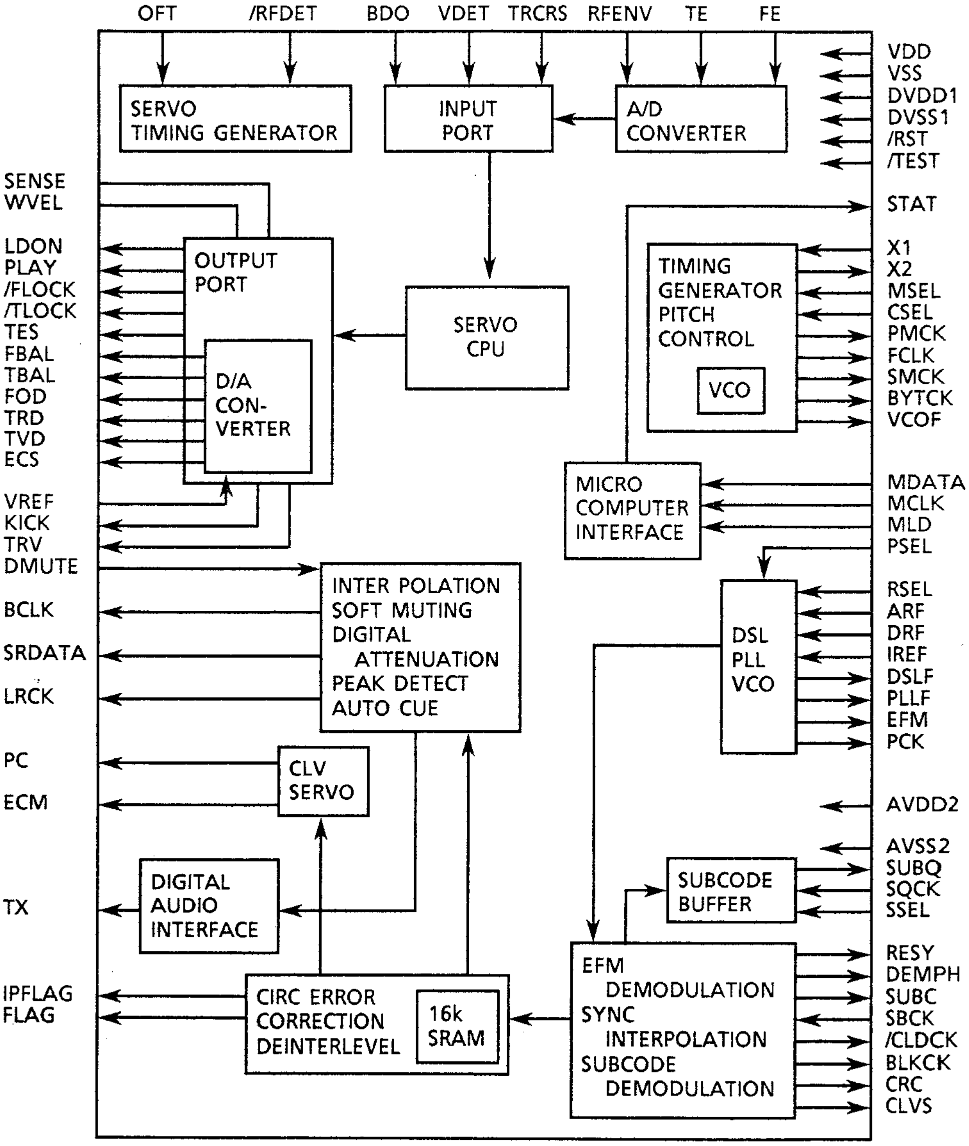
Pin No.	Symbol	I/O	Description
1	VDD	--	Power supply voltege(+5V)
2	KEYI3	I	Key Mmatrix input
3	KEYI2	I	Key Mmatrix input
4	KEYI1	I	Key Mmatrix input
5	KEYI0	I	Key Mmatrix input
6	10G/KEYO7	O	FL grid control output/Key Mmatrix output
7	9G/KEYO6	O	FL grid control output/Key Mmatrix output
8	8G/KEYO5	O	FL grid control output/Key Mmatrix output
9	7G/KEYO4	O	FL grid control output/Key Mmatrix output
10	6G/KEYO3	O	FL grid control output/Key Mmatrix output
11	5G/KEYO2	O	FL grid control output/Key Mmatrix output
12	4G/KEYO1	O	FL grid control output/Key Mmatrix output
13	3G/KEYO0	O	FL grid control output/Key Mmatrix output
14	2G	O	FL grid control output
15	1G	O	FL grid control output
16	RM IND	O	Remote control
17		--	
18	VDISP	--	Power supply for FL display
19	P12	O	FL anode control
20	P11	O	FL anode control
21	P10	O	FL anode control
22	P9	O	FL anode control
23	P8	O	FL anode control
24	P7	O	FL anode control
25	P6	O	FL anode control
26	P5	O	FL anode control
27	P4	O	FL anode control
28	P3	O	FL anode control
29	P2	O	FL anode control
30	P1	O	FL anode control
31	10KEY	I	Pull UP or Pull down (XL-F115TN/XL-F116BK Pull down)
32	TEST	--	Pull UP(+5V)
33	OSC1	--	Clock oscillation
34	OSC2	--	Clock oscillation
35	VSS	--	GND
36	X2	--	
37	X1	--	GND
38	DE	O	Disc tray motor control
39	DN	O	Disc tray motor control
40	TC	O	Disc table motor control
41	TCC	O	Disc table motor control
42	UPSW	I	"L"with CD mechanism UP
43	DOWNSW	I	"L"with CD mechanism DOWN
44	N CLOSESW	I	"L" with nomal close
45	E CLOSESW	I	"L" with exchange close
46	OPENSW	I	"L" with disc table open
47	RESTSW	I	"L" with pikup rest position
48	RM IN	I	Remote control signal input
49	DCS OUT	O	Compulink signal output
50	DCS IN	I	Compulink signal input
51	FLOCK	I	Lock signal for Focus
52	TLOCK	I	Lock signal for Tracking
53	STATUS	I	Status signal input
54	RESET	I	Reset signal input
55	MLD	O	μ-com command load signal output
56	SUBQ	I	Sub-code Q-code input
57	SQCK	O	Sub Q clock outpu
58	POWER OFF	O	H : power off, L : power on.
59	MDATA	O	μ-com command data output
60	SENSE	I	SENSE signal input
61	MCLK	O	μ-com command clock signal output
62	LIS RESET	O	Reset signal output
63	PHP	I	Detecting disc number
64	PHL	I	Detecting disc

■ MN662720RB (IC401) : DIGITAL SERVO & DIGITAL SIGNAL PROCESSER

1. Terminal Layout


20 ~ 1
21
80
40
61
41 ~ 60

2. Block Diagram


OFT
/RFDET
BDO
VDET
TRCRS
RFENV
TE
FE
SERVO TIMING GENERATOR
INPUT PORT
A/D CONVERTER
VDD
VSS
DVDD1
DVSS1
/RST
/TEST
SENSE
WVEL
STAT
LDON
PLAY
/FLOCK
/TLOCK
TES
FBAL
TBAL
FOD
TRD
TVD
ECS
OUTPUT PORT
D/A CON-VERTER
SERVO CPU
TIMING GENERATOR PITCH CONTROL
VCO
X1
X2
MSEL
CSEL
PMCK
FCLK
SMCK
BYTCK
VCOF
VREF
KICK
TRV
DMUTE
MICRO COMPUTER INTERFACE
MDATA
MCLK
MLD
PSEL
BCLK
SRDATA
LRCK
INTER POLATION SOFT MUTING DIGITAL ATTENUATION PEAK DETECT AUTO CUE
DSL PLL VCO
RSEL
ARF
DRF
IREF
DSLF
PLLF
EFM
PCK
PC
ECM
CLV SERVO
AVDD2
AVSS2
SUBQ
SQCK
SSEL
SUBCODE BUFFER
TX
DIGITAL AUDIO INTERFACE
IPFLAG
FLAG
CIRC ERROR CORRECTION DEINTERLEVEL
16k SRAM
EFM DEMODULATION SYNC INTERPOLATION SUBCODE DEMODULATION
RESY
DEMPH
SUBC
SBCK
/CLDCK
BLKCK
CRC
CLVS

3. Description

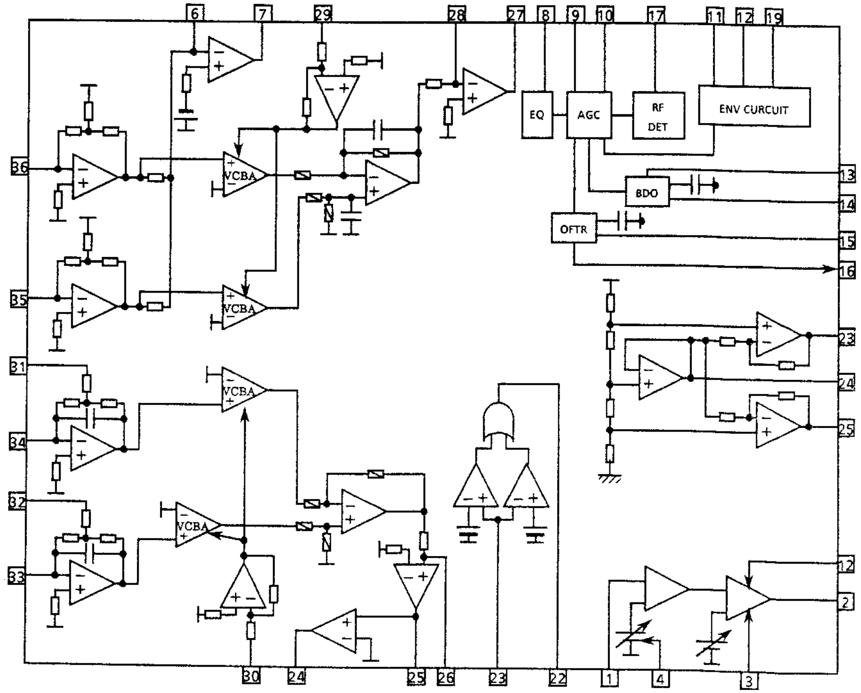
Pin No.	symbol	I/O	Description	Pin No.	symbol	I/O	Description
1	BCLK	O	Bit clock output pin for SRDATA	41	TES	—	Not used
2	LRCK	O	L/R distinction signal	42	PLAY	—	〃
3	SRDATA	O	Serial data output	43	WVEL	—	〃
4	DVDD1	—	Power supply	44	ARF	I	RF signal input
5	DVSS1	—	Connected to GND	45	IREF	I	Reference current input pin
6	TX	O	Digital audio interface signal	46	DRF	I	Bias adjustment pin for DSL
7	MCLK	I	μ-com command clock signal input	47	DSLF	I/O	Loop filter pin for DSL
8	MDATA	I	μ-com command data input	48	PLLF	I/O	Loop filter pin for PLL
9	MLD	I	μ-com command load signal input	49	VCOF	—	Not used
10	SENSE	O	Sense signal output	50	AVDD2	—	Power supply
11	FLOCK	O	Lock signal for Tracking	51	AVSS2	—	Connected to GND
12	TLOCK	O	Lock signal for Focus	52	EFM	—	Not used
13	BLKCK	—	Not used	53	PCK	—	〃
14	SQCK	I	Clock for sub-code Q resister	54	PDO	—	〃
15	SUBQ	O	Sub-code Q-code output	55	SUBC	—	〃
16	DMUTE	I	Muting input (H : MUTE)	56	SBCK	—	Connected to GND
17	STATUS	O	Status signal	57	VSS	—	〃
18	/RST	I	Reset signal input (L:Reset)	58	X1	I	Input of 16.9344MHz X'tal oscillation circuit
19	SMCK	—	Not used	59	X2	—	Not used
20	PMCK	—	Not used	60	VDD	—	Power supply
21	TRV	O	Traverse enforced output	61	BYTCK	—	Not used
22	TVD	O	Traverse drive output	62	CLDCK	—	〃
23	PC	—	Not used	63	FCLK	—	〃
24	ECM	O	Spindle motor drive signal (Enforced output) 3-State	64	IPPLAG	—	〃
25	ECS	O	Spindle motor drive signal (Servo signal)	65	FLAG	—	〃
26	KICK	O	Kick pulse output	66	CLVS	—	〃
27	TRD	O	Tracking drive output	67	CRC	—	〃
28	FOD	O	Focus drive output	68	DEMPH	O	De-emphasis ON signal (H : ON)
29	VREF	I	Reference voltage input pin	69	RESY	—	Not used
30	FBAL	O	Focus Balance adjust signal output	70	RST 2	—	Connected to GND
31	TBAL	O	Tracking Balance adjust signal output	71	/TEST	—	Pull up (+5V)
32	FE	I	Focus error signal input	72	AVDD1	—	Power supply
33	TE	I	Tracking error signal input	73	OUT L	—	Not used
34	RF ENV	I	RF envelope signal input	74	AVSS1	—	Connected to GND
35	VDET	I	Vibration detect signal input	75	OUT R	—	Not used
36	OFT	I	Off track signal input	76	RSEL	—	Pull up (+5V)
37	TRCRS	I	Track cross signal input	77	CSEL	—	Connected to GND
38	/RFDET	I	RF detect signal input	78	PSEL	—	〃
39	BDO	I	BDO input pin	79	MSEL	—	〃
40	LDON	O	Laser ON signal output	80	SSEL	—	Pull up (+5V)

■ AN8803SB (IC501) : RF & SERVO AMP

1. Terminal Layout

PD	1	36	PDAC
LD	2	35	PDBD
LDON	3	34	PDE
LDP	4	33	PDF
VCC	5	32	PDER
RF-	6	31	PDFR
RF OUT	7	30	TBAL
RF IN	8	29	FBAL
C.AGC	9	28	FE-
ARF	10	27	FE OUT
C.ENV	11	26	TE-
C.EA	12	25	TE OUT
CS BDO	13	24	CROSS
BDO	14	23	TE BPF
CS BRT	15	22	VDET
OFTR	16	21	LD OFF
/NRFDET	17	20	VREF
GND	18	19	ENV

2. Block Diagram



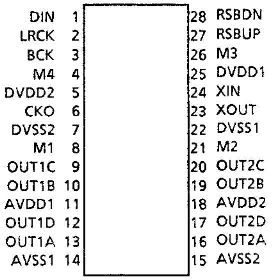
3. Description

Pin No.	Symbol	I/O	Description
1	PD	--	Connected to GND
2	LD	--	Non connection
3	LD ON	--	Connected to GND
4	LDP	--	Connected to GND
5	VCC	--	Power supply
6	RF-	I	Inverse input pin for RF amp
7	RF OUT	O	RF amp output pin
8	RF IN	I	AGC input pin
9	C.AGC	I/O	Connecting pin of AGC loop filter
10	ARF	O	AGC output pin
11	C.ENV	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal
12	C.EA	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal
13	CS BDO	I/O	A capacitor is connected to detect the lower envelope of the RF signal
14	BDO	O	BDO output pin
15	CS BRT	I/O	A capacitor is connected to detect the lower envelope of the RF signal
16	OFTR	O	Of-track status signal output pin
17	/NRFDET	O	RF detection signal output pin
18	GND	--	GND
19	ENV	O	Envelope output
20	VREF	O	Reference voltage output pin
21	LD OFF	--	Connect to GND
22	VDET	O	Vibration detection signal output pin
23	TE BPF	I	Input pin of tracking error through BPF
24	CROSS	O	Tracking error cross output pin
25	TE OUT	O	Tracking error signal output pin
26	TE-	I	Inverse input pin for tracking error amp
27	FE OUT	O	Output pin of focus error
28	FE-	I	Inverse input pin for focus error amp
29	FBAL	I	Focus balance control pin
30	TBAL	I	Tracking balance control pin
31	PDFR	I/O	E and E I-V amp gain control pin
32	PDER	I/O	F and E I-V amp gain control pin
33	PDF	I	I-V amp input pin
34	PDE	I	I-V amp input pin
35	PD BD	I	I-V amp input pin
36	PD AC	I	I-V amp input pin

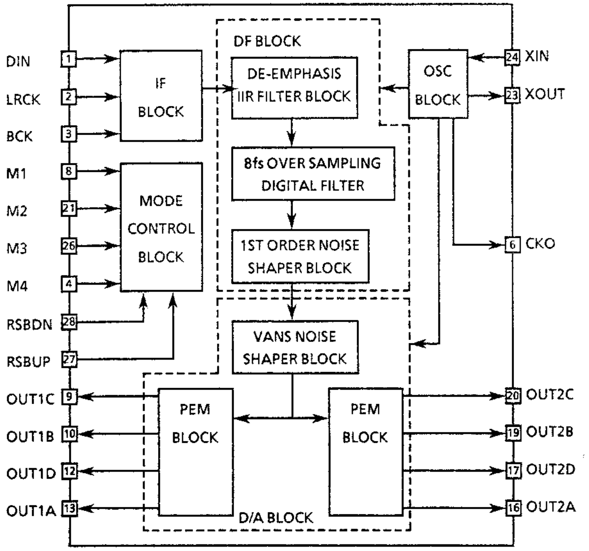
Internal of other ICs

■ MN35502(IC301) : D / A CONVERTER

1. Terminal Layout


DIN 1
LRCK 2
BCK 3
M4 4
DVDD2 5
CKO 6
DVSS2 7
M1 8
OUT1C 9
OUT1B 10
AVDD1 11
OUT1D 12
OUT1A 13
AVSS1 14
28 RSBDN
27 RSBUP
26 M3
25 DVDD1
24 XIN
23 XOUT
22 DVSS1
21 M2
20 OUT2C
19 OUT2B
18 AVDD2
17 OUT2D
16 OUT2A
15 AVSS2

2. Block Diagram

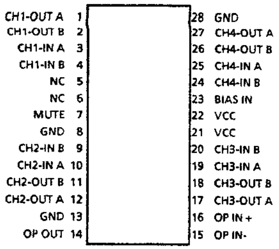

DIN 1
LRCK 2
BCK 3
M1 8
M2 21
M3 26
M4 4
RSBDN 28
RSBUP 27
OUT1C 9
OUT1B 10
OUT1D 12
OUT1A 13
IF BLOCK
MODE CONTROL BLOCK
DF BLOCK
DE-EMPHASIS IIR FILTER BLOCK
8fs OVER SAMPLING DIGITAL FILTER
1ST ORDER NOISE SHAPER BLOCK
VANS NOISE SHAPER BLOCK
PEM BLOCK
PEM BLOCK
D/A BLOCK
OSC BLOCK
24 XIN
23 XOUT
6 CKO
20 OUT2C
19 OUT2B
17 OUT2D
16 OUT2A

3.Description

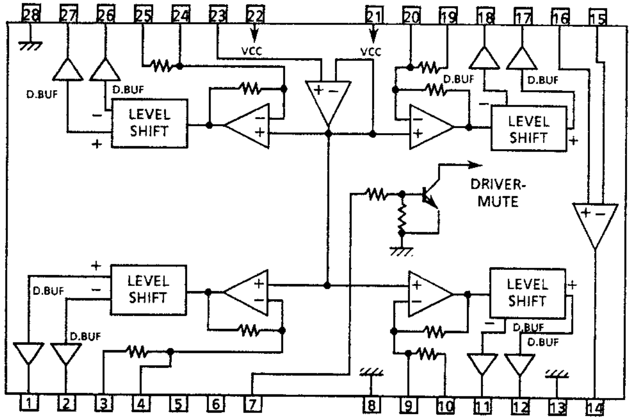
Pin No	Symbol	I/O	Description	Pin No	Symbol	I/O	Description
1	DIN	I	Data input	15	AVSS2	--	Analog ground 2
2	LRCK	I	LR clock input	16	OUT2A	O	2A PEM output
3	BCK	I	Bit clock input	17	OUT2D	O	2D PEM output
4	M4	I	Operational mode control 4	18	AVDD2	--	Analog power supply 2
5	DVDD2	--	Digital power supply 2	19	OUT2B	O	2B PEM output
6	CKO	I	Clock output	20	OUT2C	O	2C PEM output
7	DVSS2	--	Digital ground 2	21	M2	--	Connected to ground
8	M1	--	Connected to ground	22	DVSS1	--	Digital ground pin 1
9	OUT1C	O	1C PEM output	23	XOUT	O	Crystal oscillator output
10	OUT1B	O	1B PEM output	24	XIN	I	Crystal oscillator input
11	AVDD1	--	Analog power supply 1	25	DVDD1	--	Digital power supply 1
12	OUT1D	O	1D PEM output	26	M3	--	Connected to ground
13	OUT1A	O	1A PEM output	27	RSBUP	--	Connected to ground
14	AVSS1	--	Analog ground 1	28	RSBDN	I	Reset signal / Digital Att. control signal input

■ BA6393FP(IC801) : BTL DRIVER

1. Terminal Layout


CH1-OUT A 1
CH1-OUT B 2
CH1-IN A 3
CH1-IN B 4
NC 5
NC 6
MUTE 7
GND 8
CH2-IN B 9
CH2-IN A 10
CH2-OUT B 11
CH2-OUT A 12
GND 13
OP OUT 14
28 GND
27 CH4-OUT A
26 CH4-OUT B
25 CH4-IN A
24 CH4-IN B
23 BIAS IN
22 VCC
21 VCC
20 CH3-IN B
19 CH3-IN A
18 CH3-OUT B
17 CH3-OUT A
16 OP IN +
15 OP IN-

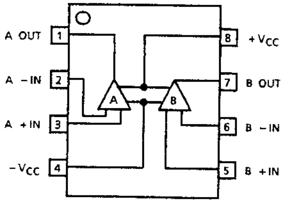
2. Block Diagram


28
27
26
25
24
23
22
21
20
19
18
17
16
15
VCC
VCC
D.BUF
D.BUF
LEVEL SHIFT
D.BUF
D.BUF
LEVEL SHIFT
DRIVER-MUTE
D.BUF
LEVEL SHIFT
D.BUF
LEVEL SHIFT
D.BUF
D.BUF
1
2
3
4
5
6
7
8
9
10
11
12
13
14

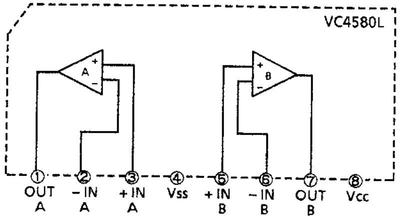
3.Description

Pin No.	Symbol	I/O	Description
1 2	CH1-OUT A CH1-OUT B	O	Focus drive output
3	CH1-IN A	I	Focus drive input
4 5,6 10 19 24	CH1-IN B NC CH2-IN A CH3-IN A CH4-IN B	—	Non connection
7	MUTE	I	Mute signal input pin
9 20	CH2-IN B CH3-IN B	I I	Spindle motor drive input Feed motor drive input
25	CH4-IN A	I	Tracking drive input
8,13,28	GND	—	GND
11 12	CH2-OUT B CH2-OUT A	O	Spindle motor drive output
14	OP OUT	O	OP amp output
15,16	OP IN	I	OP amp input
17 18	CH3-OUT A CH3-OUT B	O	Feed motor drive output
21,22	Vcc	—	Power supply
23	BIAS IN	I	Input pin of Bias
26 27	CH4-OUT B CH4-OUT A	O	Tracking drive output

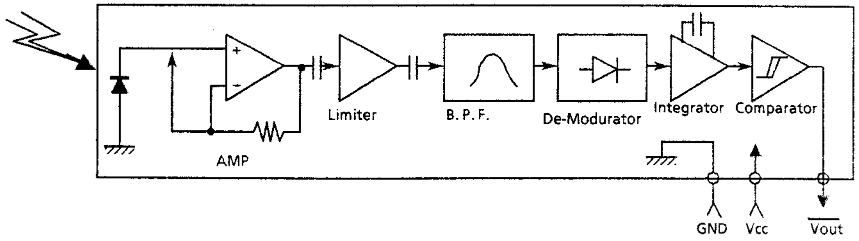
■ VC4580D(IC251,IC304)
···Dual OP Amp.


A OUT 1
A −IN 2
A +IN 3
−Vcc 4
8 +Vcc
7 B OUT
6 B −IN
5 B +IN
A
B

■ VC4580L (IC601) :Dual OP Amp.

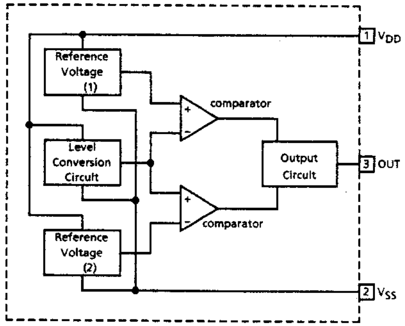

VC4580L
A
B
① OUT A
② −IN A
③ +IN A
④ Vss
⑤ +IN B
⑥ −IN B
⑦ OUT B
⑧ Vcc

■SPS-420-1 (IC701) : Remocon Module IC (Not use for XL-F115TN/XL-F116BK)


AMP
Limiter
B. P. F.
De-Modurator
Integrator
Comparator
GND
Vcc
Vout

■ MN1281 : IC202 RESET IC

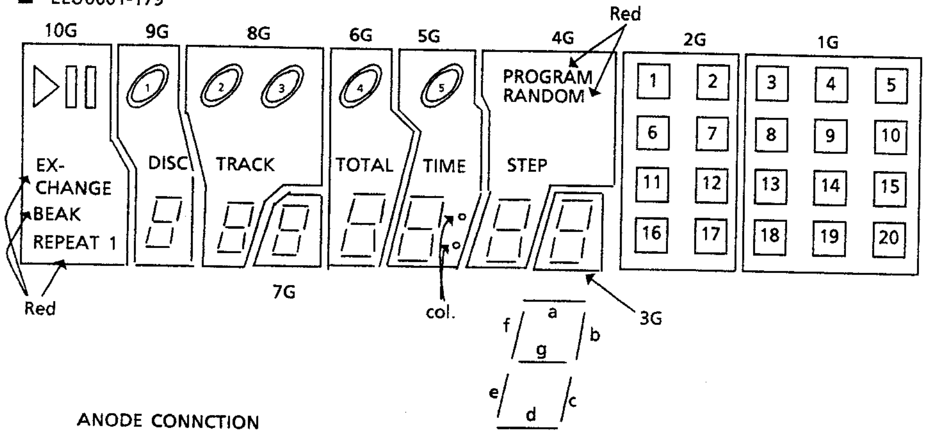
Block Diagram


Reference Voltage (1)
Level Conversion Circuit
Reference Voltage (2)
comparator
comparator
Output Circuit
1 VDD
3 OUT
2 Vss

Pin No.	Pin Name	Functions
1	V_{DD}	Power supply
2	V_{SS}	Ground
3	OUT	Reset signal output : Low level is output when resetting : High level is output when cancelling the reset.

Internal Connections for FL Display Tube

■ ELU0001-179



ANODE CONNCTION

	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	▶	1	2	--	4	5	PROGRAM	--	1	3
P2	❚❚	0(1)	0(2)	--	0(4)	0(5)	RANDOM	--	2	4
P3	--	--	3	--	--	--	--	--	--	5
P4	EX-CHANGE	DISC	0(3)	--	TOTAL	TIME	STEP	--	6	8
P5	--	--	TRACK	--	--	col.	--	--	7	9
P6	--	a	a	a	a	a	a	a	--	10
P7	BREAK	b	b	b	b	b	b	b	11	13
P8	--	f	f	f	f	f	f	f	12	14
P9	--	g	g	g	g	g	g	g	--	15
P10	--	c	c	c	c	c	c	c	16	18
P11	REPEAT	e	e	e	e	e	e	e	17	19
P12	1	d	d	d	d	d	d	d	--	20

TERMINAL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14~20	
ELECTORODE	F1	F1	NP	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	NC	
TERMINAL NO	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
ELECTORODE	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	NP	F1	F1

(Notes) F:Filament G:Grid NP:No Pin P:Anode NC:No Connction

Disassembiy Procedyres

■ Top cover removal

1. Remove 4 scerws on both sides of the top cover and 2 scerws on the rear side.
2. Lift the back of the top cover spreding both sides to remove.

■ Front panel assembly removal

1. Remove the top cover.
2. Disconnect the wires P106 and P271(Fig 2).
3. Remove 7 screws Ⓐ,Ⓓ,Ⓔ and Ⓕ(Fig.1,2,3).
4. Remove the front panel assembly.

■ Bottom cover removal

1. Remove the top cover.
2. Remove 14 screws Ⓐ,Ⓑ,Ⓒ and Ⓕ(Fig. 1,2,3).
3. Remove the bottom cover.

■ Rear panel removal

1. Remove the top cover.
2. Remove 8 screws Ⓒ,Ⓖ and Ⓗ(Fig. 1,4).
3. Remove the rear panel.

■ Disc tray removal

1. Remove the top cover.
2. Remove the front panel assembly.
3. Turn the power on press the open/close button to move the table out.
   Then turn the power off.
   If the machine doesn't work, move the table out at procedure 4.

(4. Move a boss on the cam which is under Ⓘhole clockwise by a screwdriver to remove the disc tray manually, and move the disc tray forwrad. (Fig. 1.)
   And CD mechanism assembly goes down.)

5. Remove the screw Ⓘ(Fig. 2).
6. Disconnect P105(Fig. 2).
7. Slide the disc tray backward slightly.
   And, move the tray forward while lifting up Ⓚ to remove the disc tray from the stopper.(Fig. 2)
8. Remove the disc tray.

■ Disc table removal

1. Remove the top cover.
2. Remove the disc table.
3. Remove the screw Ⓛ(Fig. 6)
4. Remove the disc table.

■ Disc tray motor assembly removal

1. Remove the top cover.
2. Remove the disc tray.
3. Remove the bottom cover.
4. Remove the gear Ⓝ(Fig. 7).
5. Remove the loading belt Ⓞ(Fig. 7).
6. Remove the 2 screws, and remove the disc tray motor assembly(Fig. 8).

■ Audio out & compulink PCB removal

1. Remove the top cover.
2. Remove the disc table.
3. Remove the bottom cover.
4. Remove the rear panel.
5. Remove the hooks fixing the PCB(Fig. 8).
6. Remove the PCB.

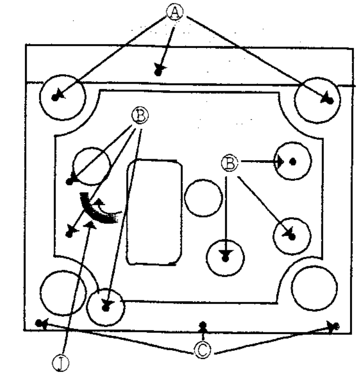


Fig 1 Bottom view

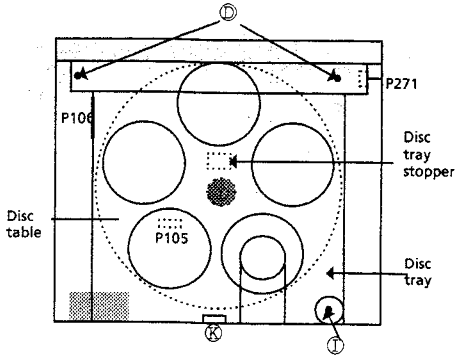


Fig 2 Top view(without the top cover)

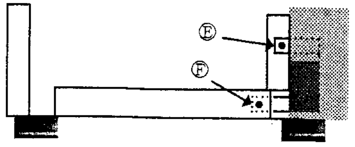


Fig 3 Side view(without the top cover)

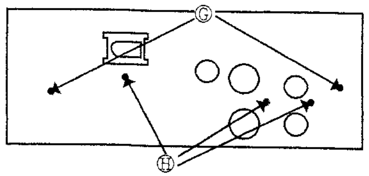


Fig 4 Rear view

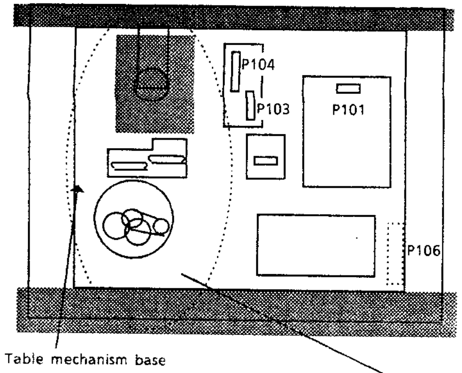

P104
P103
P101
P106
Table mechanism base

Fig 5 Top view
(Withput top cover
and disc tray)

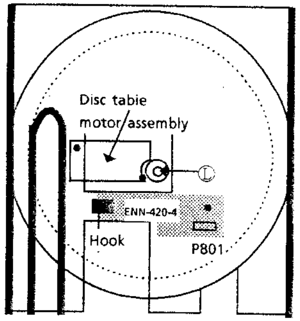

Disc tabie
motor assembly
Ⓛ
ENN-420-4
Hook
P801

Fig 6 Disc tray bottom view

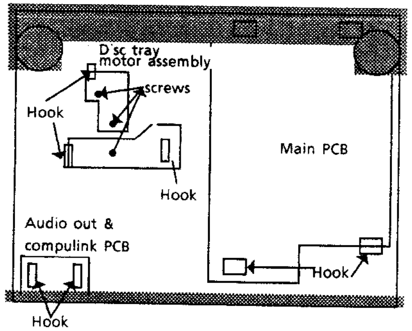

Disc tray
motor assembly
screws
Hook
Hook
Main PCB
Audio out &
compulink PCB
Hook
Hook

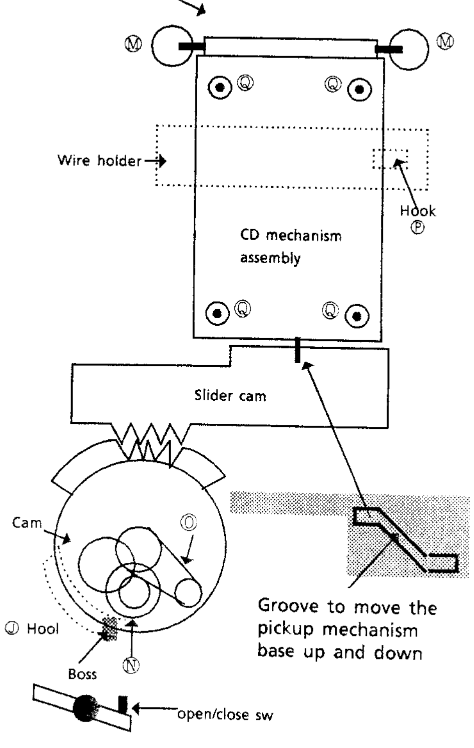
Fig 8 Bottom view
(Without the bottom cover)

■ Main PCB removal

1. Remove the top cover.
2. Remove the disc tray.
3. Remove the bottom cover.
4. Disconnect the connectoing P101,P103,P104 and P106(Fig. 5).
5. Remove the hooks fixing the main PCB(Fig. 8).
6. Remove the main PCB.

■ CD mechanism assembly removal

1. Remove the top cover.
2. Remove the disc table.
3. Remove the bottom cover.
4. Disconnect the connecting P103 and P104(Fig. 5)
5. Remove the hook Ⓟ fixing the table mechanism base, and remove the wire holder(Fig. 7).
6. Remove the 2 screws Ⓜ (Fig. 7).
7. Remove the 4 screws Ⓠ (Fig. 7).
8. Remove the CD mechanism assembly.


Ⓜ
Ⓜ
Ⓠ
Ⓠ
Wire holder
Hook
Ⓟ
CD mechanism
assembly
Ⓠ
Ⓠ
Slider cam
Cam
Ⓞ
Ⓛ Hool
Boss
Ⓝ
open/close sw

Groove to move the pickup mechanism base up and down

Fig 7 Loading mechanism

Disassemble of the CD mechanism assembly

■ Pickup removal

1. Remove the cd mechanism assembly.
2. Release the shaft to remove the pickup (Fig 9).

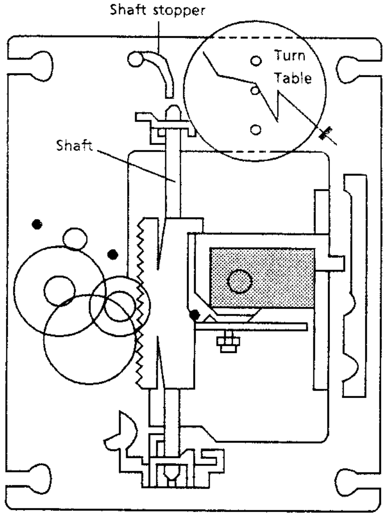

Shaft stopper
Turn
Table
Shaft

Fig. 9 : CD mechanism assembly

■ Spindle motor removal

1. Remove the CD mechanism assembly.
2. Remove the turntable, and remove the two screws retaining the spindle motor.
3. Remove the screws retaining the spindle and feed motor P.C. Board and unsolder it.

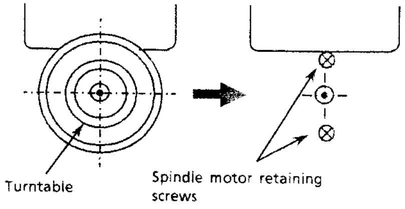

Turntable
Spindle motor retaining
screws

Fig. 10

■ Spindle motor installation

1. Tighten the 2 screws to the same torque.
2. Fasten the spindle and feed motor P.C. board with the screw and solder.
3. Install the turntable. When installing, press straight down at the center of the turntable until the distance from the surface of the mechanism base to the turntable is exactly 19.4±0.1mm.

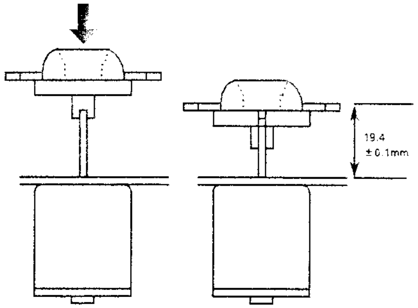


Fig. 11

4. After inserting the turntable, bond the motor shaft and turntable together (at the section marked by an arrow in fig. 12 on the left below).

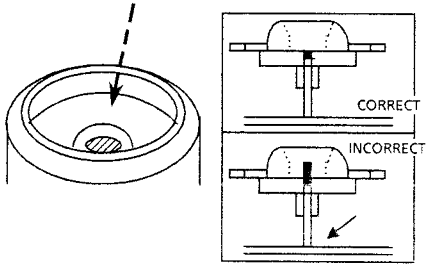
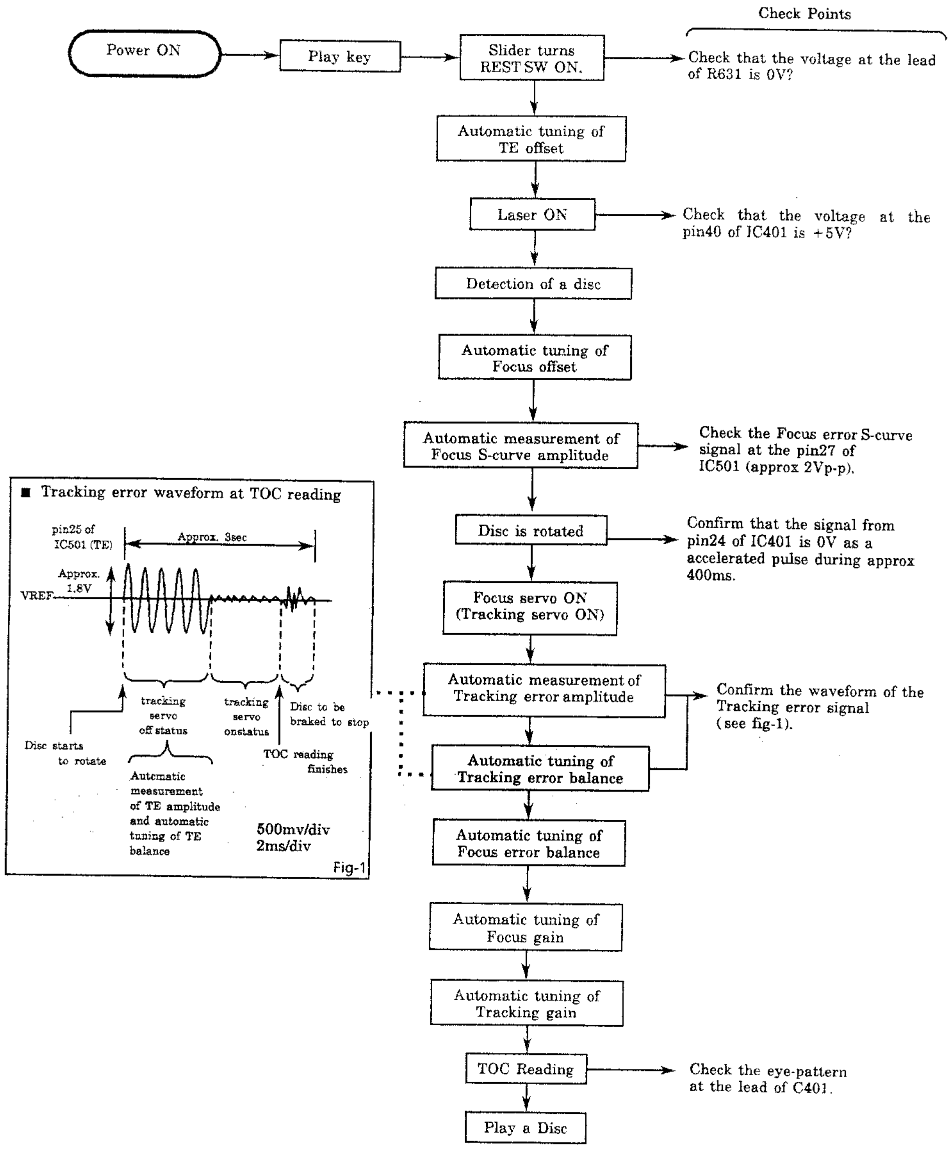

CORRECT
INCORRECT

Fig. 12

5. Use "LOCKTITE" #460 bonding agent, and apply as little as possible. Take care not to allow any excess bonding agent to get onto the turntable. Be extremely careful not to allow bonding agent to adhere to the motor bearings (the section marked by an allow in fig. 12 on the right).

Flow of Functional Operation Until TOC is Read

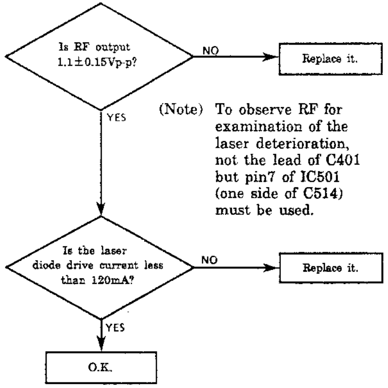

Check Points
Power ON
Play key
Slider turns REST SW ON.
Check that the voltage at the lead of R631 is 0V?
Automatic tuning of TE offset
Laser ON
Check that the voltage at the pin40 of IC401 is +5V?
Detection of a disc
Automatic tuning of Focus offset
Automatic measurement of Focus S-curve amplitude
Check the Focus error S-curve signal at the pin27 of IC501 (approx 2Vp-p).
Disc is rotated
Confirm that the signal from pin24 of IC401 is 0V as a accelerated pulse during approx 400ms.
Focus servo ON (Tracking servo ON)
Automatic measurement of Tracking error amplitude
Confirm the waveform of the Tracking error signal (see fig-1).
Automatic tuning of Tracking error balance
Automatic tuning of Focus error balance
Automatic tuning of Focus gain
Automatic tuning of Tracking gain
TOC Reading
Check the eye-pattern at the lead of C401.
Play a Disc
■ Tracking error waveform at TOC reading
pin25 of IC501 (TE)
Approx. 3sec
Approx. 1.8V
VREF
tracking servo off status
tracking servo onstatus
Disc to be braked to stop
Disc starts to rotate
Automatic measurement of TE amplitude and automatic tuning of TE balance
TOC reading finishes
500mv/div
2ms/div
Fig-1

Maintenance of Laser Pickup

(1) Life of the laser diode

When the life of the laser diode has expired, the following symptoms will appear.

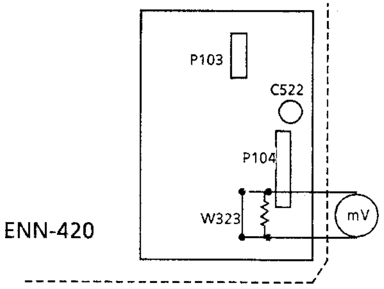
1. The level of RF output (EFM output: ampli tude of eye pattern) will be low.
2. The drive current required by the laser diode will be increased. In such a case, check the life of the laser diode following the flowchart below.


Is RF output 1.1±0.15Vp-p?
NO
Replace it.
YES
Is the laser diode drive current less than 120mA?
NO
Replace it.
YES
O.K.

(Note) To observe RF for examination of the laser deterioration, not the lead of C401 but pin7 of IC501 (one side of C514) must be used.

(2) Measurement of laser diode drive current

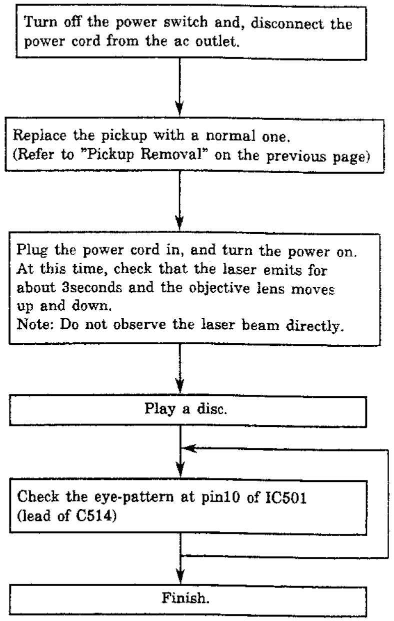
Replace the jump wire (W323) shown below with the resistor (1Ω). Measure the voltage across the resistor (1Ω) with a milli-voltmeter. When the voltage is more than 120mV, it shows that the life of the laser diode has expired.


P103
C522
P104
W323
mV
ENN-420

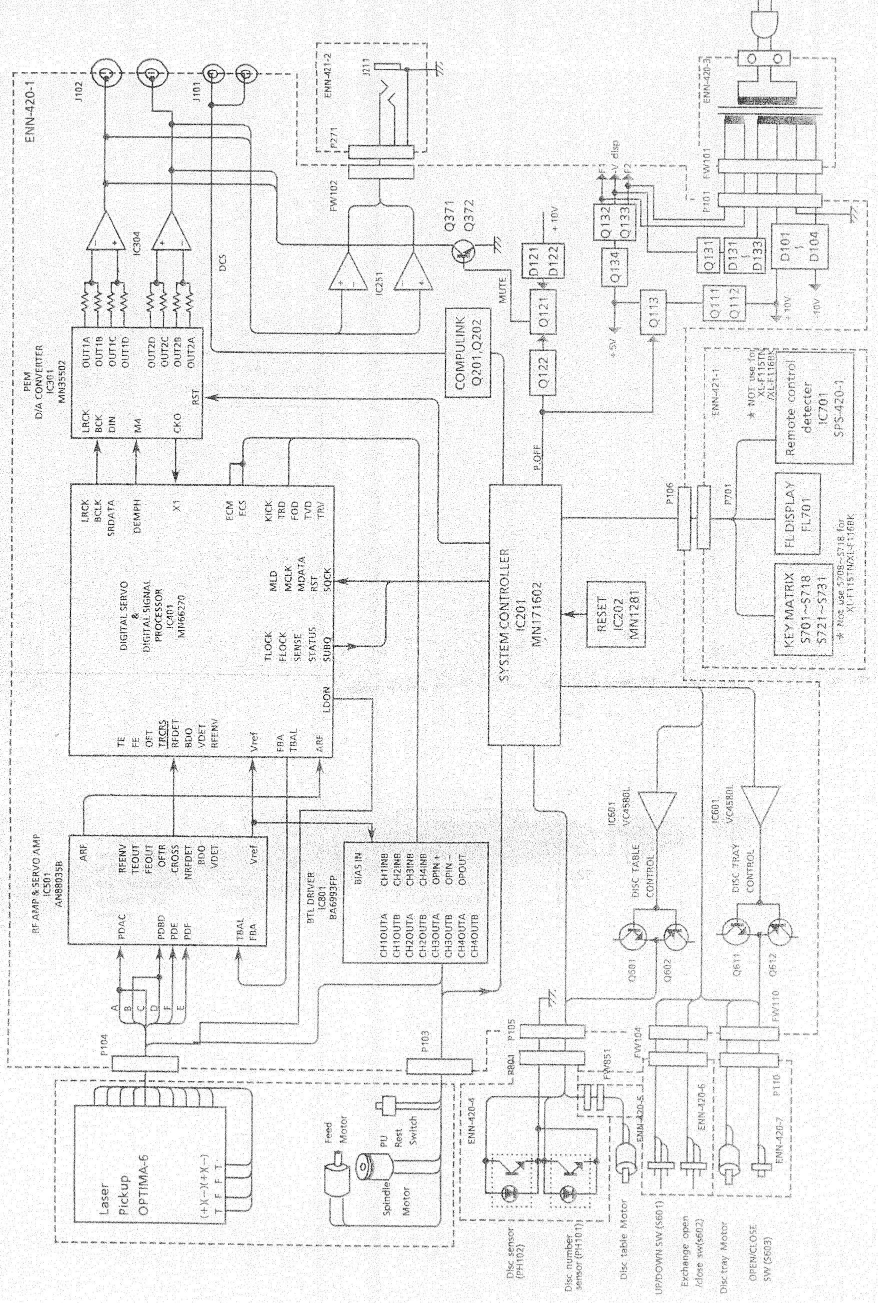
(3) Semi-fixed resistor on the APC PC board

The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power. Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.
If the laser power is lower than the specified value, the laser diode is almost worn out, and the laser pickup should be replaced.
If the semi-fixed resistor is adjusted while the pickup is functioning normally, the laser pickup may be damaged due to excessive current.

Replacement of Laser Pickup

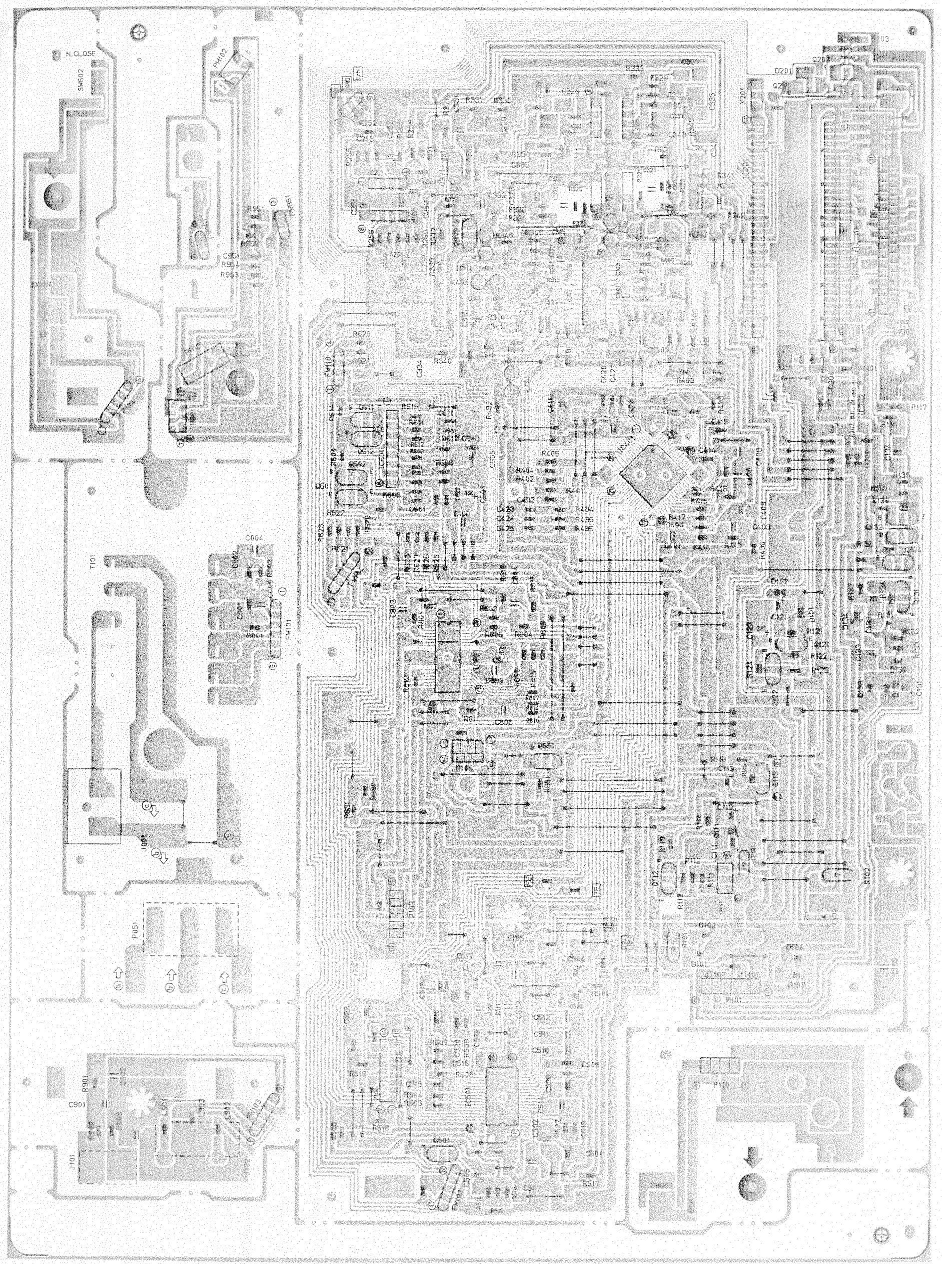

Turn off the power switch and, disconnect the power cord from the ac outlet.
Replace the pickup with a normal one. (Refer to "Pickup Removal" on the previous page)
Plug the power cord in, and turn the power on. At this time, check that the laser emits for about 3seconds and the objective lens moves up and down. Note: Do not observe the laser beam directly.
Play a disc.
Check the eye-pattern at pin10 of IC501 (lead of C514)
Finish.

Block Diagrams

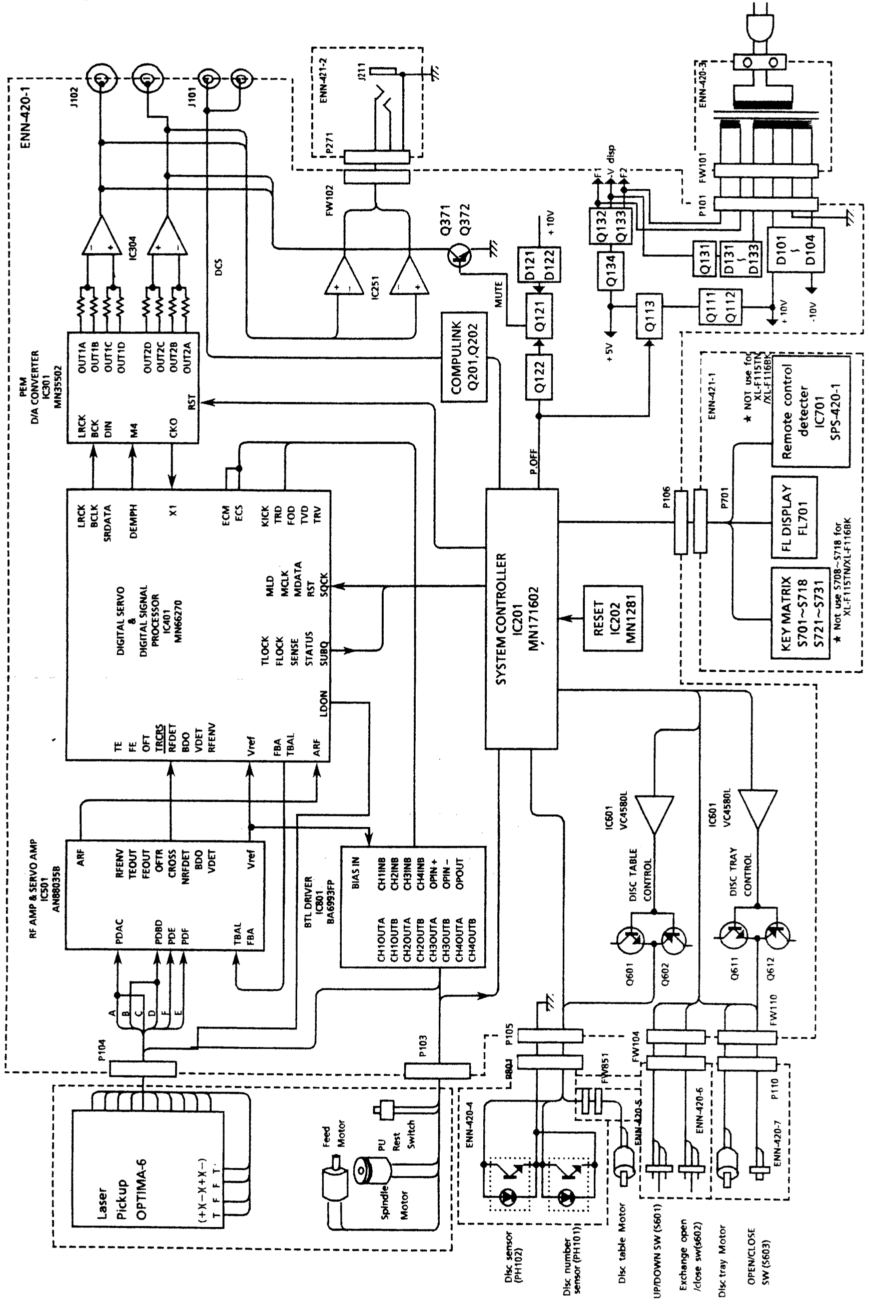

ENN-420-1
J102
J101
ENN-421-2
J211
P271
FW102
ENN-420-3
FW101
P101
IC304
DCS
IC251
Q371
Q372
MUTE
D121
D122
+10V
Q132
Q133
Q134
Q131
D131 ~ D133
D101 ~ D104
Q113
Q111
Q112
+5V
+10V
-10V
PEM D/A CONVERTER IC301 MN35502
LRCK
BCK
DIN
M4
CKO
OUT1A
OUT1B
OUT1C
OUT1D
OUT2D
OUT2C
OUT2B
OUT2A
RST
COMPULINK Q201,Q202
Q121
Q122
P.OFF
ENN-421-1
* NOT use for XL-F115TN /XL-F116BK
Remote control detecter IC701 SPS-420-1
FL DISPLAY FL701
KEY MATRIX S701~S718 S721~S731
* Not use S708~S718 for XL-F115TN/XL-F116BK
P106
P701
DIGITAL SERVO & DIGITAL SIGNAL PROCESSOR IC401 MN66270
LRCK
BCLK
SRDATA
DEMPH
X1
ECM
ECS
KICK
TRD
FOD
TVD
TRV
MLD
MCLK
MDATA
RST
SQCK
TLOCK
FLOCK
SENSE
STATUS
SUBQ
LDON
TE
FE
OFT
TRCRS
RFDET
BDO
VDET
RFENV
Vref
FBA
TBAL
ARF
SYSTEM CONTROLLER IC201 MN171602
RESET IC202 MN1281
RF AMP & SERVO AMP IC501 AN8803SB
ARF
RFENV
TEOUT
FEOUT
OFTR
CROSS
NRFDET
BDO
VDET
Vref
PDAC
PDBD
PDE
PDF
TBAL
FBA
BTL DRIVER IC801 BA6993FP
BIAS IN
CH1INB
CH2INB
CH3INB
CH4INB
OPIN+
OPIN-
OPOUT
CH1OUTA
CH1OUTB
CH2OUTA
CH2OUTB
CH3OUTA
CH3OUTB
CH4OUTA
CH4OUTB
IC601 VC4580L
DISC TABLE CONTROL
DISC TRAY CONTROL
Q601
Q602
Q611
Q612
A
B
C
D
E
F
P104
P103
P105
FW851
FW104
FW110
P801
P110
Laser Pickup OPTIMA-6
(+X-Y+X-) T F F T
Feed Motor
PU Rest Switch
Spindle Motor
ENN-420-4
ENN-420-5
ENN-420-6
ENN-420-7
Disc sensor (PH102)
Disc number sensor (PH101)
Disc table Motor
UP/DOWN SW (S601)
Exchange open /close sw(s602)
Disc tray Motor
OPEN/CLOSE SW (S603)

Printed Circuit Boards

Main PCB(ENN-420-1~ENN-420-7)

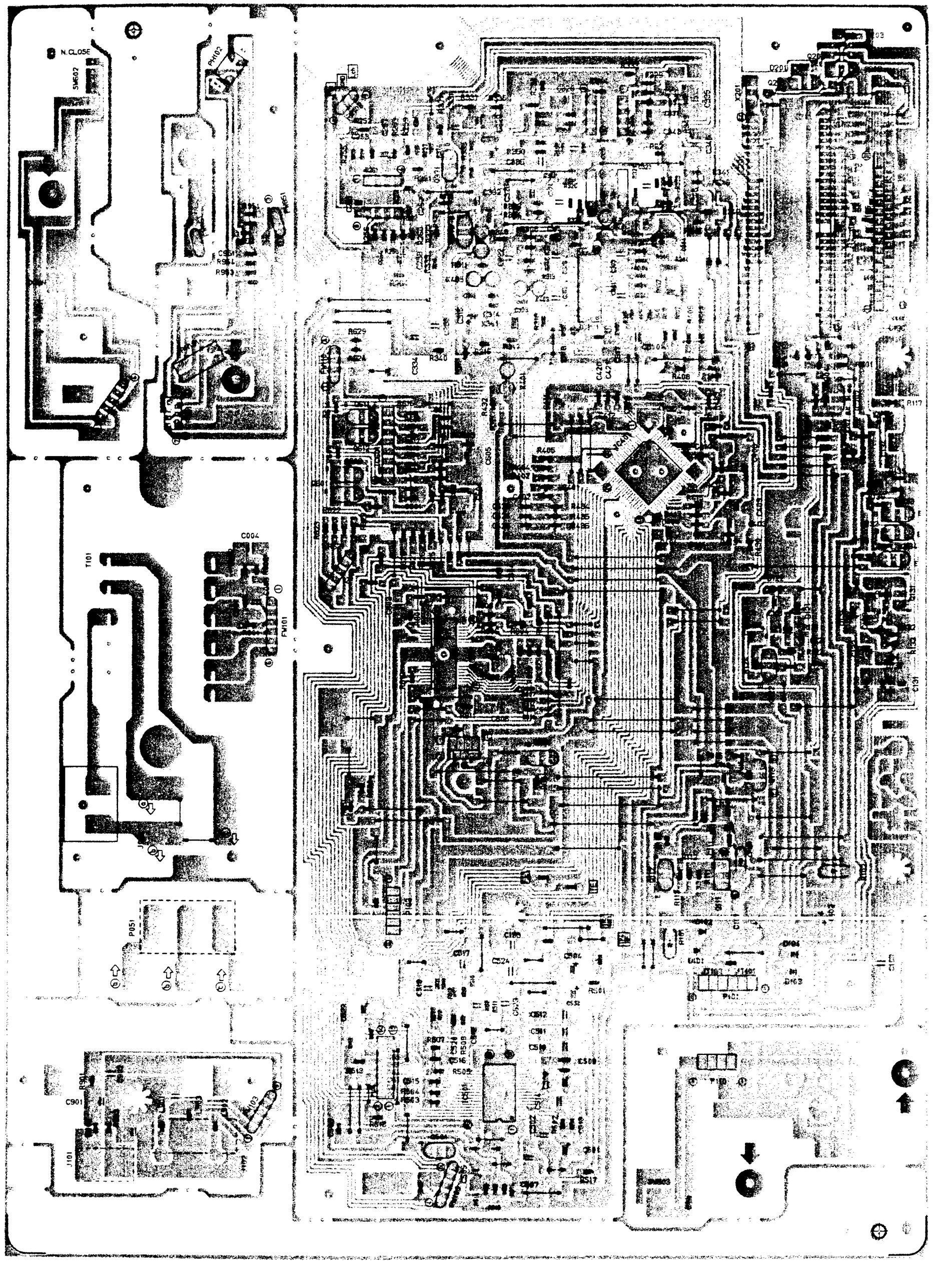


Block Diagrams

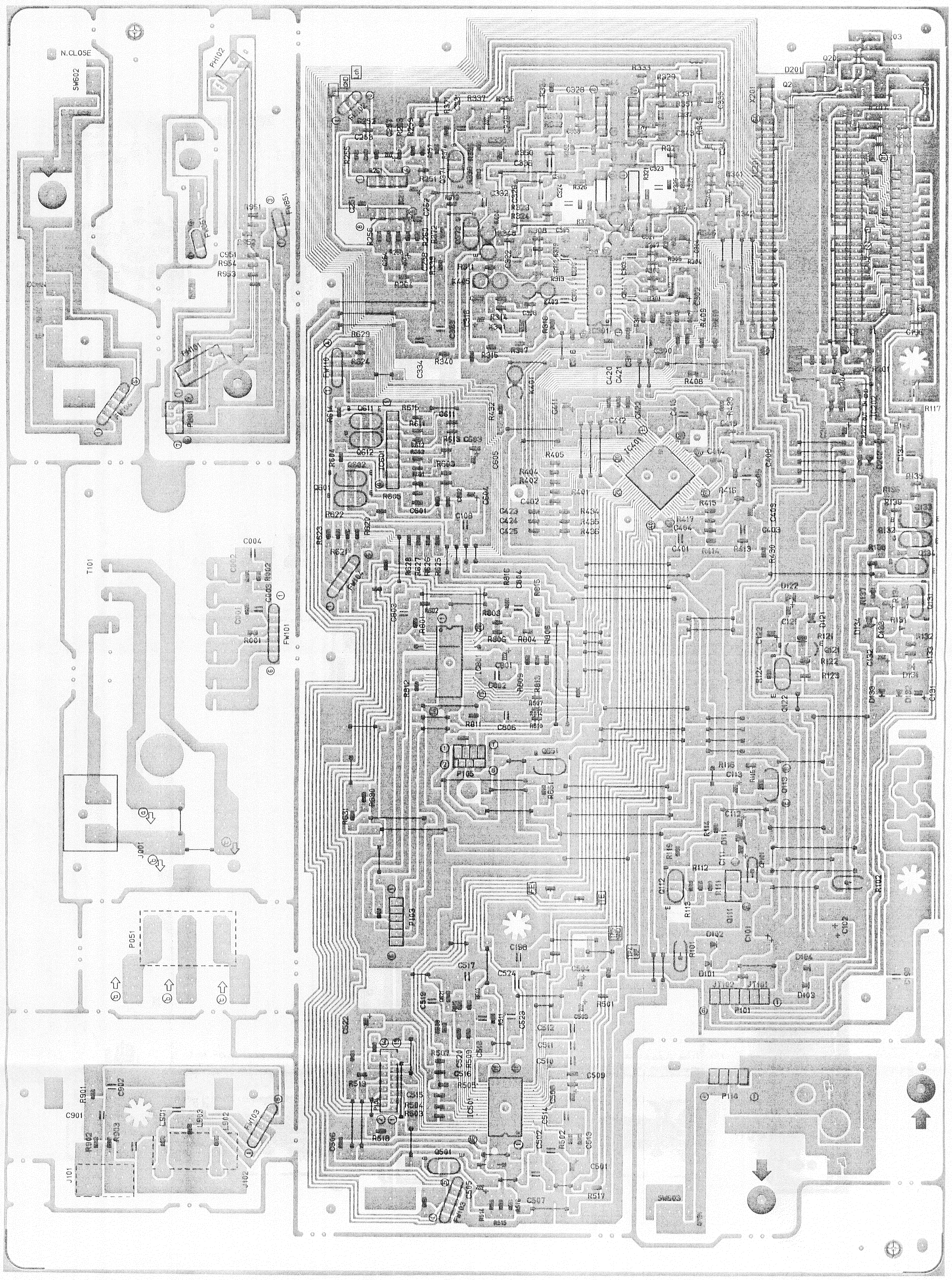

ENN-420-1
J102
J101
ENN-421-2
J211
P271
FW102
ENN-420-3
FW101
P101
Q371
Q372
IC251
IC304
DCS
MUTE
+10V
D121
D122
Q121
Q122
Q132
Q133
Q134
Q113
Q131
D131
D133
D101
D104
Q111
Q112
+10V
-10V
+5V
COMPULINK Q201,Q202
PEM D/A CONVERTER IC301 MN35502
LRCK
BCK
DIN
M4
CKO
RST
OUT1A
OUT1B
OUT1C
OUT1D
OUT2D
OUT2C
OUT2B
OUT2A
DIGITAL SERVO & DIGITAL SIGNAL PROCESSOR IC401 MN66270
LRCK
BCLK
SRDATA
DEMPH
X1
ECM
ECS
KICK
TRD
FOD
TVD
TRV
MLD
MCLK
MDATA
RST
SQCK
TLOCK
FLOCK
SENSE
STATUS
SUBQ
LDON
TE
FE
OFT
TRCRS
RFDET
BDO
VDET
RFENV
Vref
FBA
TBAL
ARF
SYSTEM CONTROLLER IC201 MN171602
P.OFF
RESET IC202 MN1281
P106
P701
ENN-421-1
★ Not use for XL-F115TN /XL-F116BK
Remote control detecter IC701 SPS-420-1
FL DISPLAY FL701
KEY MATRIX S701~S718 S721~S731
★ Not use S708~S718 for XL-F115TN/XL-F116BK
RF AMP & SERVO AMP IC501 AN8803SB
ARF
RFENV
TEOUT
FEOUT
OFTR
CROSS
NRFDET
BDO
VDET
Vref
PDAC
PDBD
PDE
PDF
TBAL
FBA
BTL DRIVER IC801 BA6993FP
BIAS IN
CH1INB
CH2INB
CH3INB
CH4INB
OPIN+
OPIN-
OPOUT
CH1OUTA
CH1OUTB
CH2OUTA
CH2OUTB
CH3OUTA
CH3OUTB
CH4OUTA
CH4OUTB
IC601 VC4580L
DISC TABLE CONTROL
IC601 VC4580L
DISC TRAY CONTROL
Q601
Q602
Q611
Q612
A
B
C
D
F
E
P104
P103
P105
P851
FW851
FW104
FW110
P110
ENN-420-4
ENN-420-5
ENN-420-6
ENN-420-7
Laser Pickup OPTIMA-6
(+X−X+X−) T T F T
Feed Motor
PU Rest Switch
Spindle Motor
Disc sensor (PH102)
Disc number sensor (PH101)
Disc table Motor
UP/DOWN SW (S601)
Exchange open /close sw(S602)
Disc tray Motor
OPEN/CLOSE SW (S603)

Printed Circuit Boards

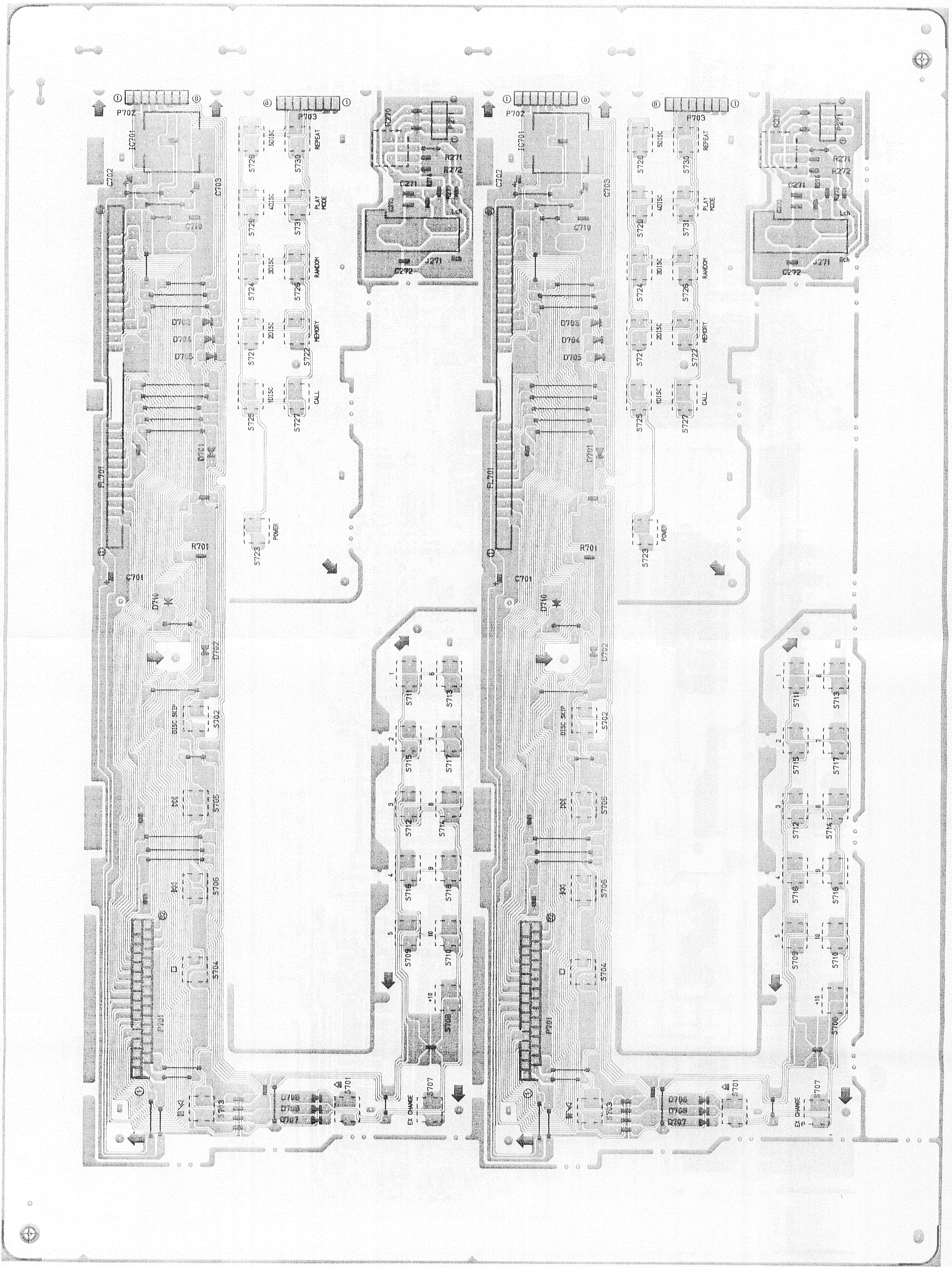
Main PCB(ENN-420-1~ENN-420-7)



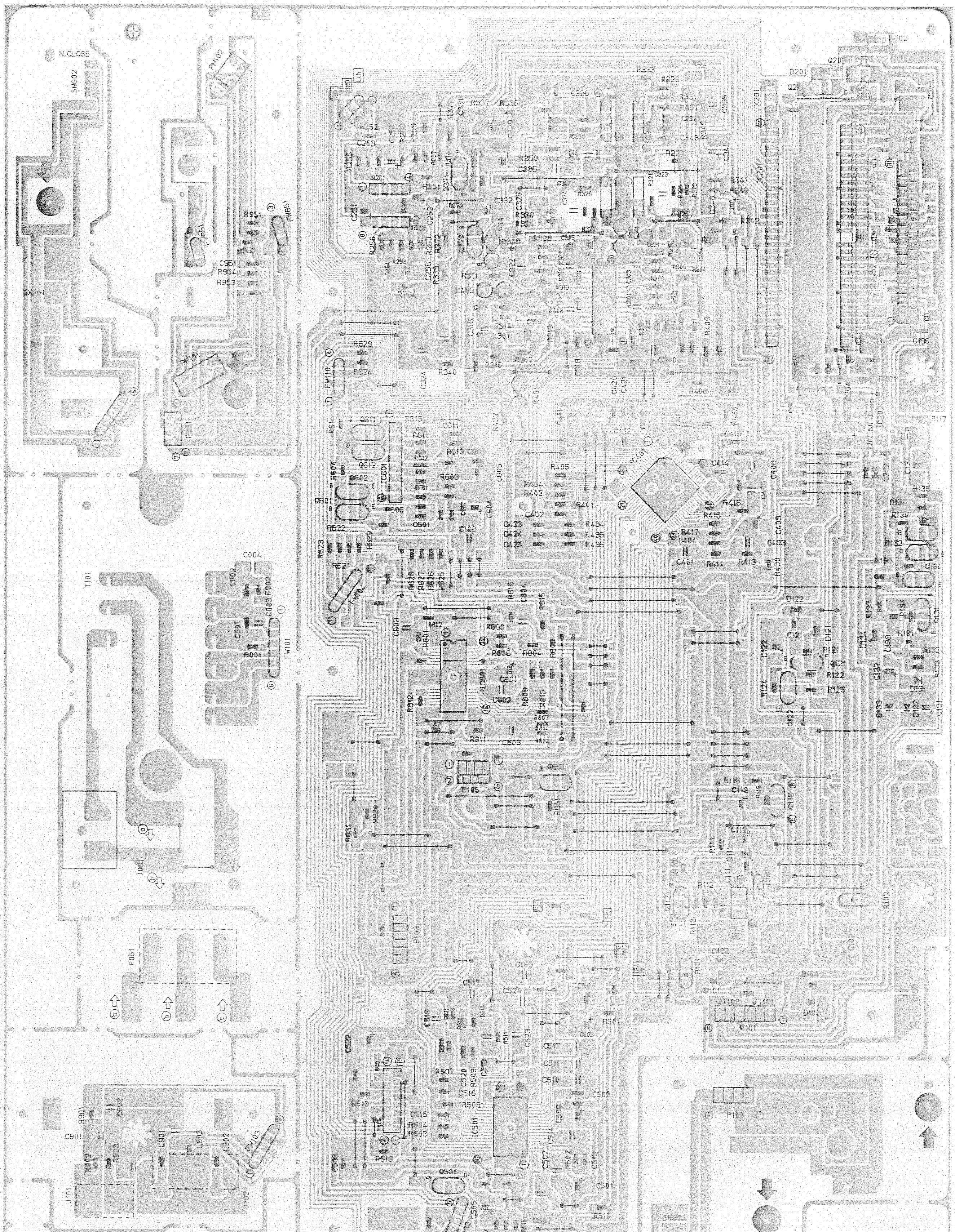
■ Printed Circuit Boards ■ Main PCB(ENN-420-1~ENN-420-7)


N.CLOSE
SW602
PH102
R951
FW851
F101
C951
R954
R953
FW101
P601
T101
C004
C002
R002
C003
C001
R001
FW101
J001
P051
R901
C902
C901
R902
R903
L901
L903
L902
FW103
J101
J102
R629
R624
FW110
C334
R340
R315
R317
Q611
R615
R614
C611
Q612
C602
R613
C603
IC601
R604
R603
C505
C601
R601
R605
R622
C604
C109
R623
R620
R621
R628
R627
R626
R625
FW102
R333
R329
R337
R336
C328
C335
R252
C258
C257
R255
R251
C251
C262
R256
R257
R261
R311
R313
C316
X301
R408
C420
C421
C411
C412
R432
R405
R404
R402
R401
C402
C423
C424
C425
R434
R435
R436
IC401
R415
R416
R417
C404
C401
R414
R413
C403
R430
X201
D201
Q201
R103
C135
R401
R117
C134
R135
R136
C133
R132
R134
D122
D121
R121
Q121
R122
R123
R124
Q122
C122
D124
C132
R131
C131
R132
R133
D131
D132
C191
R810
C804
R815
C803
R801
R802
R803
R806
R804
R805
IC801
C801
C802
R509
R812
R811
C806
R807
R808
R809
Q651
P105
R651
R630
R631
P103
R116
C113
Q113
R115
D111
C112
R119
R112
Q112
R113
R111
Q111
R102
C198
C101
C102
D102
R101
D101
D104
D103
JT102
JT101
P101
C517
C524
C519
C504
C503
R501
C523
C512
C511
C522
C520
R507
R509
R508
C515
R504
R503
R510
R513
IC501
C514
C509
C506
R502
C513
C502
C501
C505
FW152
R517
C507
R514
R516
R515
P114
SW503

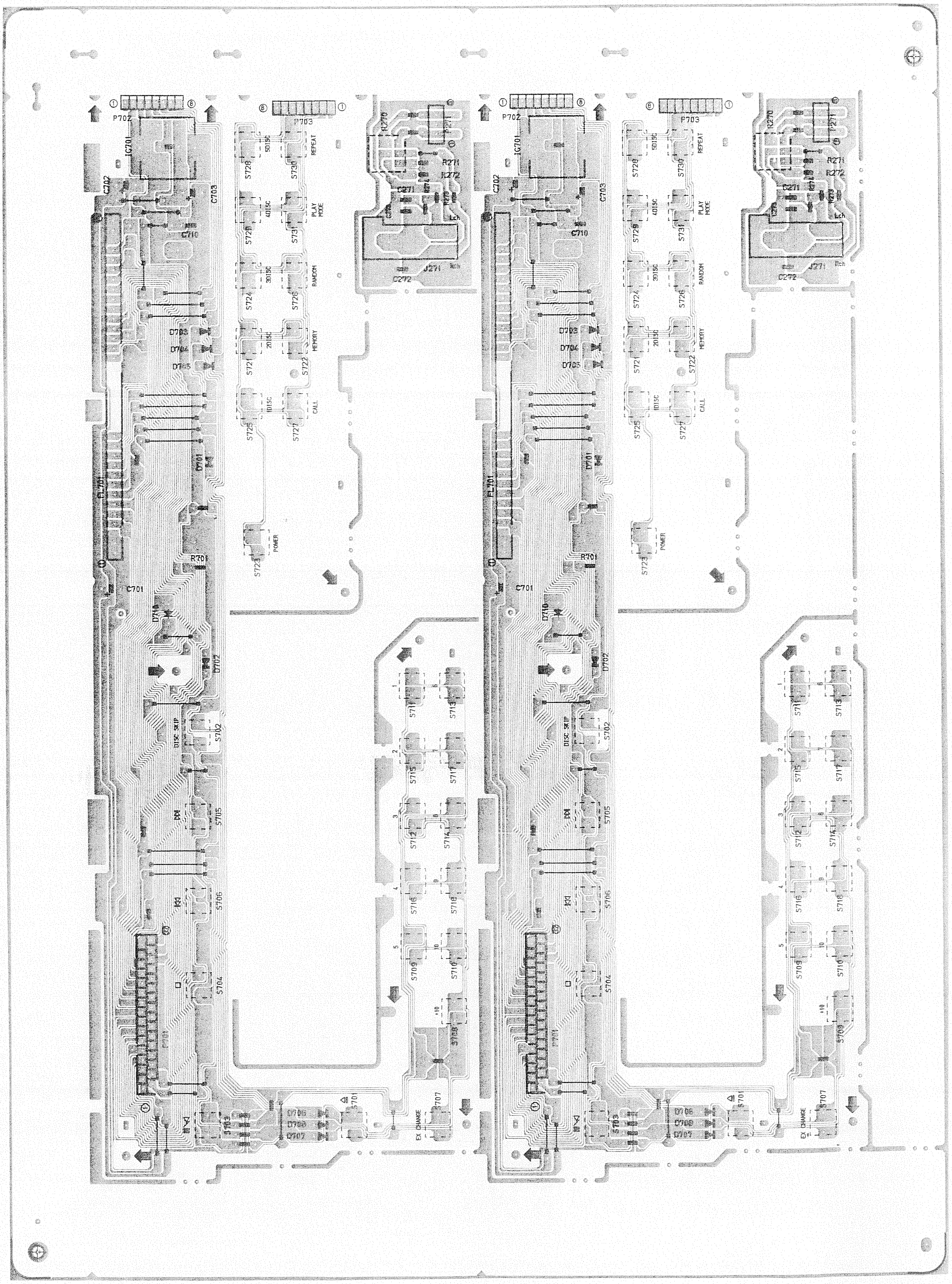
■ Dispiay & Pin Jack PCB(ENN-421-1,ENN-421-2)


P702
IC701
C702
C703
C710
P703
S726
S729
S724
S721
S725
S730
S731
S726
S722
S727
5DISC
4DISC
3DISC
2DISC
1DISC
REPEAT
PLAY MODE
RANDOM
MEMORY
CALL
R270
P271
R271
R272
C271
Lch
Rch
J271
C272
D703
D704
D705
D701
FL701
R701
S723
POWER
C701
D710
D702
S702
DISC SKIP
S705
S706
S704
P701
S703
D706
D708
D707
S701
EX CHANGE
S707
S708
+10
S709
S710
S716
S718
S712
S714
S715
S717
S711
S713
1
2
3
4
5
6
7
8
9
10

■ Printed Circuit Boards ■ Main PCB(ENN-420-1~ENN-420-7)

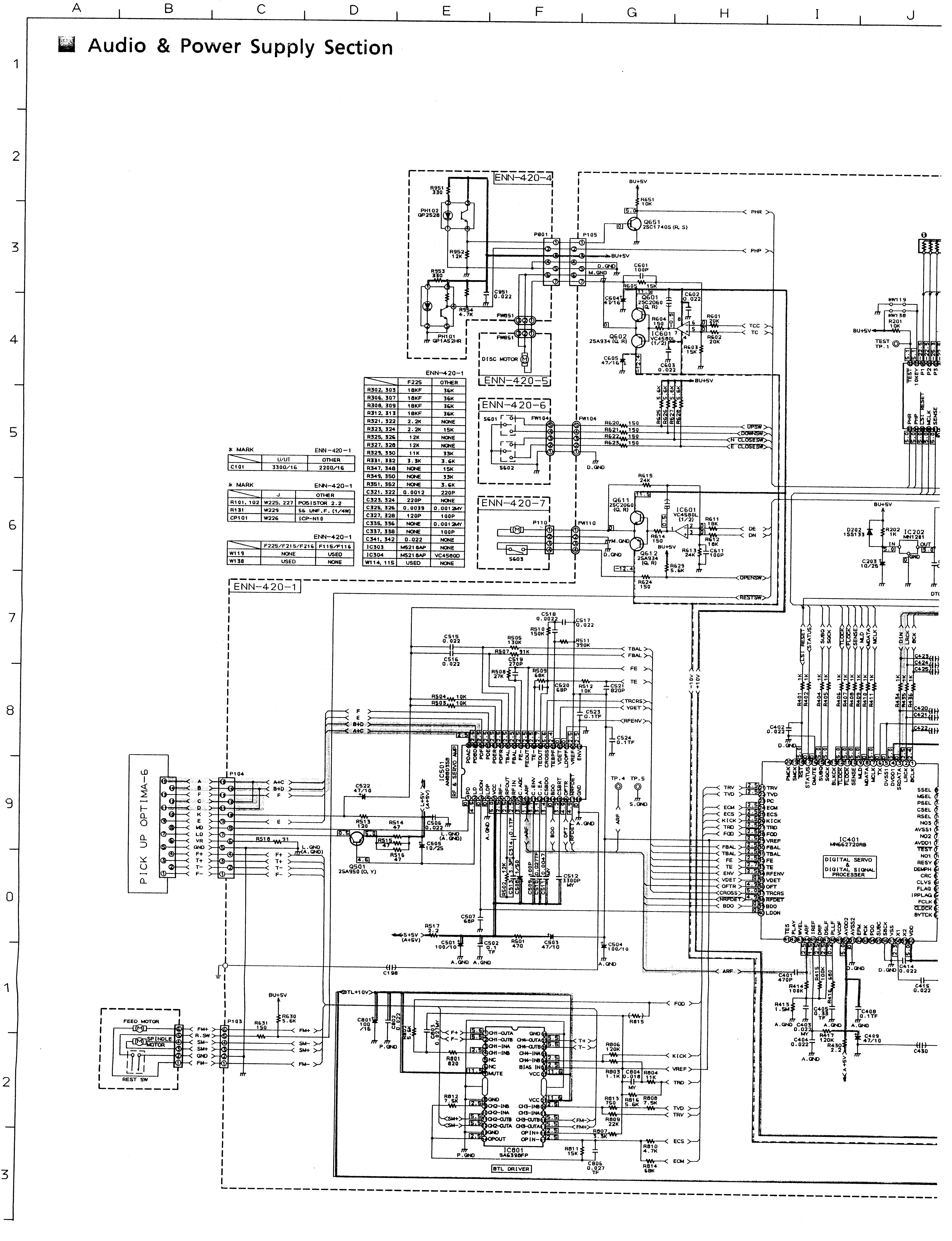

N.CLOSE
SW602
PH102
R951
FW951
C951
R954
R953
PH101
T101
C004
C002
C001
R004
FW101
J001
P051
R901
C902
C901
R902
R903
L901
L903
L902
FW103
J101
J102
R629
R628
FW110
C334
R340
R345
R605
R602
Q612
Q601
R622
R623
R621
C601
IC501
C505
C504
C503
R405
R404
R402
C402
C423
C424
C425
R401
R417
C404
C401
R416
R415
R413
R430
C409
C403
IC401
C414
C408
R432
Q201
D201
X201
R101
R117
C135
R135
R139
Q134
R131
R132
R133
D131
C131
C133
D122
C121
R121
Q121
R122
R123
R124
Q122
C122
C132
R116
C113
R115
Q113
C112
R111
R112
C111
Q112
R119
R118
Q101
D102
D101
D103
D104
P101
JT101
JT102
C102
R102
P103
C190
C517
C524
C504
C519
C522
C520
C516
C518
R509
R505
R513
R516
R504
R503
C515
C523
C512
C511
C510
C509
IC501
C514
C513
C502
R502
C501
R512
Q501
C505
C507
C508
R501
P105
Q551
R551
P110
SW603
C803
R801
R802
R803
R804
R806
R808
R809
R810
R811
R812
C801
C802
C804
C805
IC801
R326
C326
R327
R328
R329
R331
C337
R335
R337
C331
C336
C341
R341
R342
R330
C395
R252
C253
R225
R259
R256
R251
R260
C260
R372
R339
C316
C314
X301
R409
C420
C421
R406
R531
R530

Dispiay & Pin Jack PCB(ENN-421-1,ENN-421-2)


P702
P703
IC701
C702
C703
C710
S728
S730
5DISC
REPEAT
S729
S731
4DISC
PLAY MODE
S724
S726
3DISC
RANDOM
S721
S722
2DISC
MEMORY
S725
S727
1DISC
CALL
S723
POWER
R270
R271
R272
R273
C271
C272
C273
J271
Lch
Rch
D703
D704
D705
D701
FL701
R701
C701
D710
D702
DISC SKIP
S702
S705
S706
S704
P701
S703
D706
D708
D707
S701
S707
EX CHANGE
S711
S713
S715
S717
S712
S714
S716
S718
S709
S710
S708
+10

Schematic Diagrams

Audio & Power Supply Section


A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
ENN-420-4
ENN-420-5
ENN-420-6
ENN-420-7
ENN-420-1
PH102 GP2S28
PH101 GP1A52HR
DISC MOTOR
P801
P105
Q651 2SC1740S (R, S)
Q601 2SC2060 (Q, R)
Q602 2SA934 (Q, R)
IC601 VC4580L (1/2)
Q611 2SC2060 (Q, R)
Q612 2SA934 (Q, R)
S601
S602
S603
P110
FW104
FW110
PHR
PHP
TCC
TC
UPSW
DOWNSW
N CLOSESW
E CLOSESW
DE
DN
OPENSW
RESTSW
TEST TP.1
D202 1SS133
IC202 MN1281
PICK UP OPTIMA-6
P104
P103
IC501 AN8805SB
RF & SERVO AMP
Q501 2SA950 (Q, Y)
TP.4
TP.5
IC401 MN662720RB
DIGITAL SERVO & DIGITAL SIGNAL PROCESSER
FEED MOTOR
SPINDLE MOTOR
REST SW
IC801 BA6390FP
BTL DRIVER
BTL+10V
BU+5V
A.GND
D.GND
P.GND
S.GND
M.GND

* MARK ENN-420-1

	U/UT	OTHER
C101	3300/16	2200/16

* MARK ENN-420-1

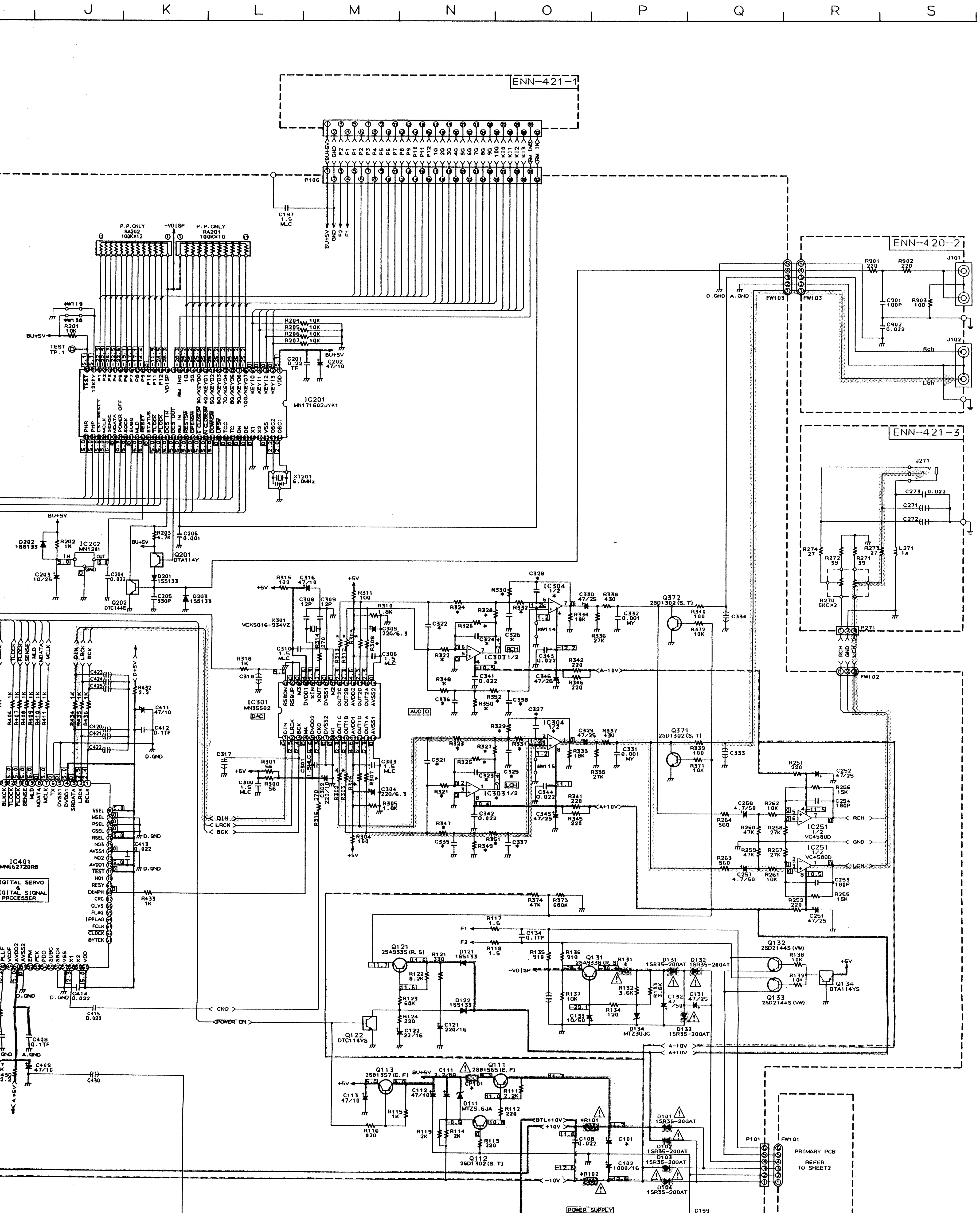
	J	OTHER
R101, 102	W225, 227	POSISTOR 2.2
R131	W229	56 UNF.F. (1/4W)
CP101	W226	ICP-N10

ENN-420-1

	F225/F215/F216	F115/F116
W119	NONE	USED
W138	USED	NONE

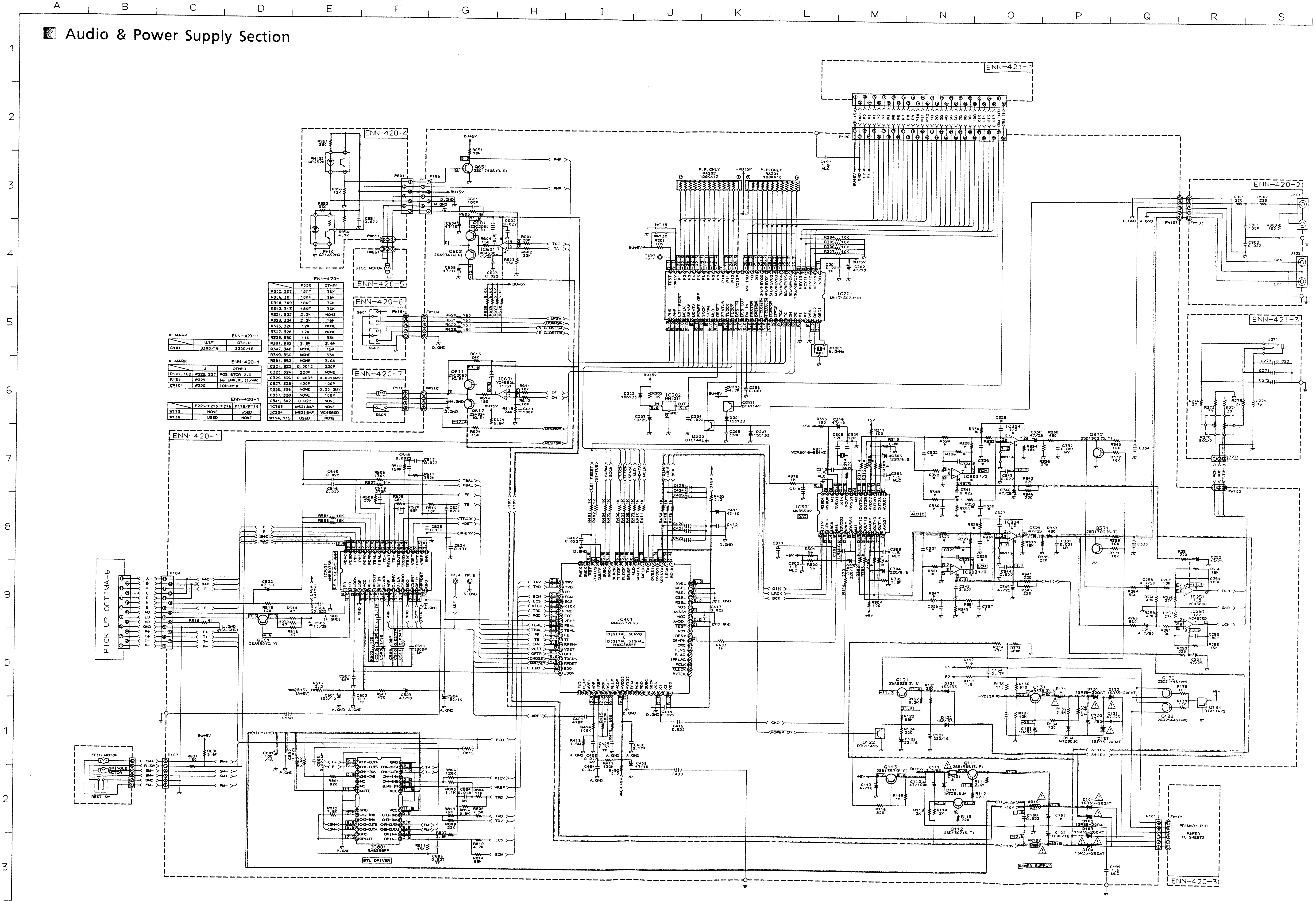
ENN-420-1

	F225	OTHER
R302, 303	18KF	36K
R306, 307	18KF	36K
R308, 309	18KF	36K
R312, 313	18KF	36K
R321, 322	2.2K	NONE
R323, 324	2.2K	15K
R325, 326	12K	NONE
R327, 328	12K	NONE
R329, 330	11K	33K
R331, 332	3.3K	3.6K
R347, 348	NONE	15K
R349, 350	NONE	33K
R351, 352	NONE	3.6K
C321, 322	0.0012	220P
C323, 324	220P	NONE
C325, 326	0.0039	0.0012MY
C327, 328	120P	100P
C335, 336	NONE	0.0012MY
C337, 338	NONE	100P
C341, 342	0.022	NONE
IC303	M5218AP	NONE
IC304	M5218AP	VC4580D
W114, 115	USED	NONE


J
K
L
M
N
O
P
Q
R
S
ENN-421-1
P106
C197 1.5 MLC
BU+5V
GND
F2
F1
P.P.ONLY RA202 100K×12
-VDISP
P.P.ONLY RA201 100K×10
W119
W138
R201 10K
BU+5V
TEST TP.1
R204 10K
R205 10K
R206 10K
R207 10K
C201 0.22 TF
C202 47/10
IC201 MN171602JYK1
XT201 6.0MHz
D202 1SS133
R202 1K
IC202 MN1281
C203 10/25
C204 0.022
Q202 DTC144E
R203 4.7K
C206 0.001
Q201 DTA114Y
D201 1SS133
C205 330P
D203 1SS133
R315 100
C316 47/10
+5V
R311 100
X301 VCX5016-934VZ
C308 12P
C309 12P
R310 1.8K
C305 220/6.3
C306 1.5 MLC
R318 1K
C318
C310 1.5 MLC
IC301 MN35502
DAC
C317
R301 56
R300 56
C300 1.5 MLC
C303 1.5 MLC
C304 220/6.3
R305 1.8K
R304 100
AUDIO
IC304 1/2
IC303 1/2
RCH
LCH
C328
C327
R330
R332
R331
R329
C330 47/25
C329 47/25
R338 430
R337 430
R334 18K
R333 18K
R336 27K
R335 27K
C332 0.001 MY
C331 0.001 MY
C343 0.022
C344 0.022
C341 0.022
C342 0.022
C346 47/25
C345 47/25
R342 220
R341 220
R346 220
R345 220
A-10V
A+10V
Q372 2SD1302(S, T)
Q371 2SD1302(S, T)
R340 100
R339 100
R372 10K
R371 10K
C334
C333
D.GND
A.GND
FW103
ENN-420-2
R901 220
R902 220
C901 100P
R903 100
C902 0.022
J101
J102
Rch
Lch
ENN-421-3
J271
C273 0.022
C271
C272
R274 27
R272 39
R273 27
R271 39
L271 1μ
R270 5KC×2
P271
FW102
R251 220
C252 47/25
R256 15K
C254 180P
R262 10K
C258 4.7/50
R264 560
R260 47K
R258 27K
IC251 1/2 VC4580D
RCH
GND
LCH
R263 560
R259 47K
R257 27K
C257 4.7/50
R261 10K
C253 180P
R255 15K
R252 220
C251 47/25
R374 47K
R373 680K
R117 1.5
F1
F2
C134 0.1TF
R118 1.5
Q121 2SA933S(R, S)
R121 330
D121 1SS133
R122 8.2K
R123 68K
D122 1SS133
R124 220
C122 22/16
C121 220/16
Q122 DTC114YS
R135 910
R136 910
Q131 2SA933S(R, S)
R131
-VDISP
R132 3.6K
R133 3.6K
R137 10K
C133 10/50
R134 120
D134 MTZ30JC
D131 1SR35-200AT
D132 1SR35-200AT
C132 47/50
C131 47/25
D133 1SR35-200AT
Q132 2SD2144S(VW)
Q133 2SD2144S(VW)
R138 10K
R139 10K
Q134 DTA114YS
+5V
CKO
POWER ON
IC401 MN662720RB
DIGITAL SERVO & DIGITAL SIGNAL PROCESSER
R433 1K
C411 47/10
C412 0.1TF
R432 2.2
C413 0.022
D.GND
C414 0.022
C415 0.022
C408 0.1TF
A.GND
C409 47/10
C430
DIN
LRCK
BCK
Q113 2SB1357(E, F)
BU+5V
C111 2/50
Q111 2SB1565(E, F)
CP101
C113 47/10
C112 47/10
R115 1K
R116 820
D111 MTZ5.6JA
R111 2.2K
R112 220
R119 2K
R114 2K
R113 220
Q112 2SD1302(S, T)
BTL+10V
+10V
-10V
R101
R102
C108 0.022
C101
C102 1000/16
D101 1SR35-200AT
D102 1SR35-200AT
D103 1SR35-200AT
D104 1SR35-200AT
POWER SUPPLY
C199 1.5 MLC
P101
FW101
PRIMARY PCB REFER TO SHEET2
ENN-420-3

Schematic Diagrams

Audio & Power Supply Section


A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
1
2
3
4
5
6
7
8
9
10
11
12
13
ENN-421-1
ENN-420-4
ENN-420-5
ENN-420-6
ENN-420-7
ENN-420-1
ENN-420-2
ENN-421-3
ENN-420-3
PICK UP OPTIMA-6
DISC MOTOR
FEED MOTOR
SPINDLE MOTOR
REST SW
IC501 AN8805SB RF & SERVO AMP
IC401 MN662720RB DIGITAL SERVO & DIGITAL SIGNAL PROCESSOR
IC201 MN171602JYK1
IC301 MN35502 DAC
IC303 1/2
IC304 1/2
IC251 VC4580D
IC601 VC4580L
IC801 SA6390FP BTL DRIVER
AUDIO
POWER SUPPLY
PRIMARY PCB REFER TO SHEET2
J101
J102
J271
Rch
Lch
Q501 2SA950 (O, Y)
Q651 2SC1740S (R, S)
Q371 2SD1302 (S, T)
Q372 2SD1302 (S, T)
Q111 2SB1565 (E, F)
Q112 2SD1302 (S, T)
Q113 2SB1357 (E, F)
Q121 2SA933S (R, S)
Q132 2SD2144S (VW)
Q133 2SD2144S (VW)
Q134 DTA114YS
PH101 GP1A52HR
PH102 GP2S28
X301 VCXS016-934VZ
XT201 6.8MHz

* MARK ENN-420-1

	U/UT	OTHER
C101	3300/16	2200/16

* MARK ENN-420-1

	J	OTHER
R101, 102	W225, 227	POSISTOR 2.2
R131	W229	56 UNF.F. (1/4W)
CP101	W226	ICP-N10

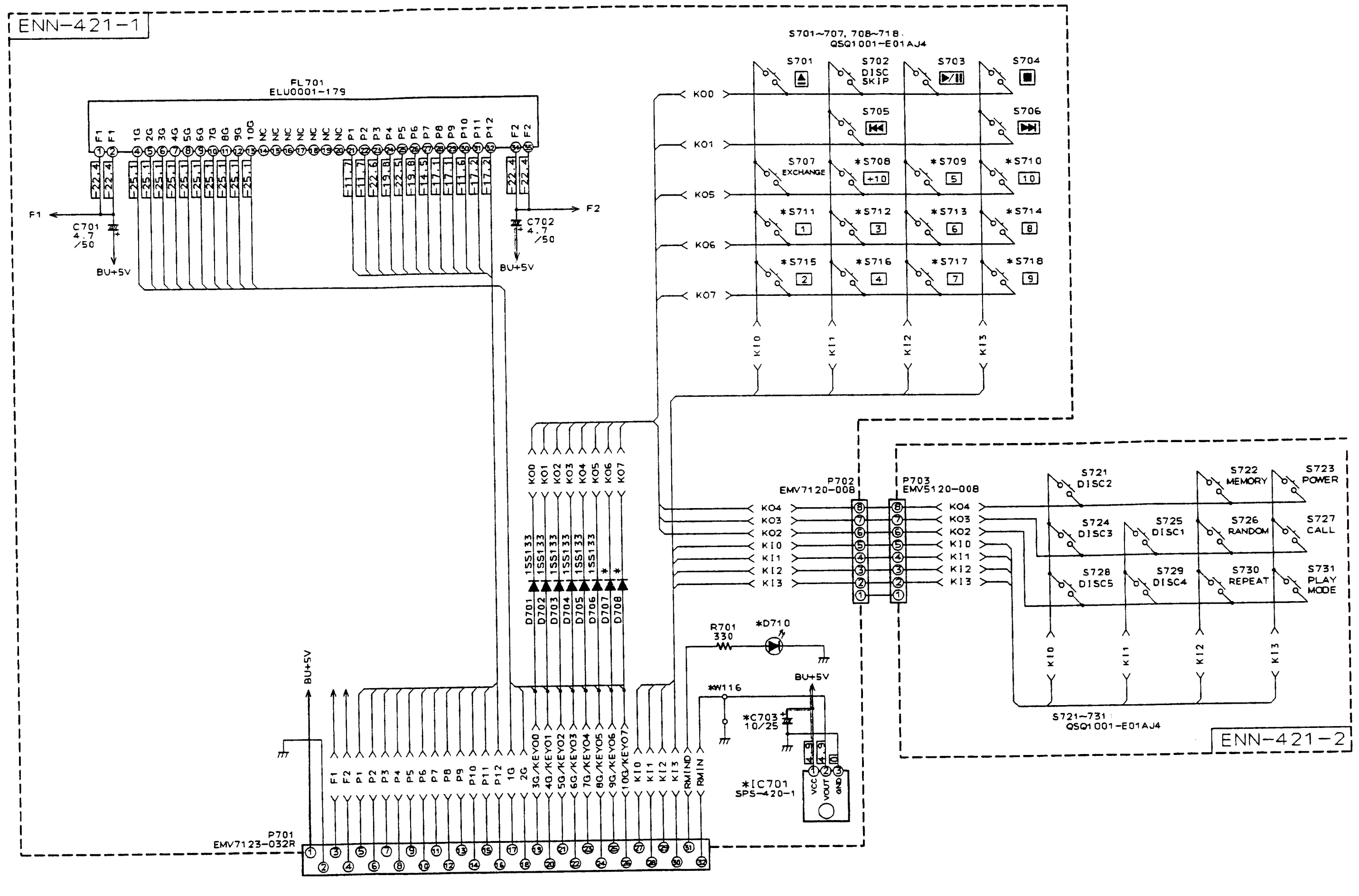
ENN-420-1

	F225/F215/F216	F115/F116
W119	NONE	USED
W138	USED	NONE

ENN-420-1

	F225	OTHER
R302, 303	18KF	36K
R306, 307	18KF	36K
R308, 309	18KF	36K
R312, 313	18KF	36K
R321, 322	2.2K	NONE
R323, 324	2.2K	15K
R325, 326	12K	NONE
R327, 328	12K	NONE
R329, 330	11K	33K
R331, 332	3.3K	3.6K
R347, 348	NONE	15K
R349, 350	NONE	33K
R351, 352	NONE	3.6K
C321, 322	0.0012	220P
C323, 324	220P	NONE
C325, 326	0.0039	0.0012MY
C327, 328	120P	100P
C335, 336	NONE	0.0012MY
C337, 338	NONE	100P
C341, 342	0.022	NONE
IC303	M5218AP	NONE
IC304	M5218AP	VC4580D
W114, 115	USED	NONE

Dispiay Section


ENN-421-1
FL701
ELU0001-179
S701~707, 708~718.
QSQ1001-E01AJ4
S701
S702 DISC SKIP
S703
S704
S705
S706
S707 EXCHANGE
*S708 +10
*S709 5
*S710 10
*S711 1
*S712 3
*S713 6
*S714 8
*S715 2
*S716 4
*S717 7
*S718 9
KO0
KO1
KO5
KO6
KO7
KI0
KI1
KI2
KI3
F1
F2
C701 4.7 /50
C702 4.7 /50
BU+5V
D701–D708
1SS133
P702 EMV7120-008
P703 EMV5120-008
S721 DISC2
S722 MEMORY
S723 POWER
S724 DISC3
S725 DISC1
S726 RANDOM
S727 CALL
S728 DISC5
S729 DISC4
S730 REPEAT
S731 PLAY MODE
S721~731
QSQ1001-E01AJ4
ENN-421-2
R701 330
*D710
*W116
*C703 10/25
*IC701 SPS-420-1
VCC VOUT GND
P701
EMV7123-032R

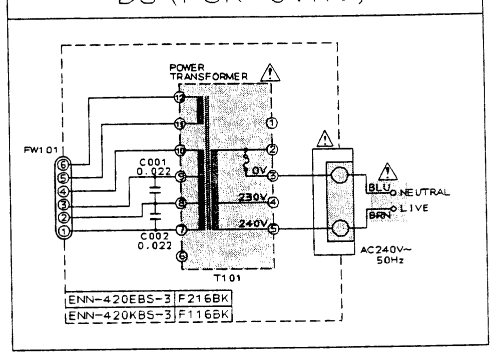
*MARK	ENN-421-1	
	F225/F215 /F216	F115/F116
C703 IC701	USED	NONE
W116	NONE	USED
S708~718	USED	NONE
D707, 708	1SS133	NONE

*MARK	ENN-421-1	
	BS	OTHER
D710	SLA-580LT 70F124	SLH-56VCF07

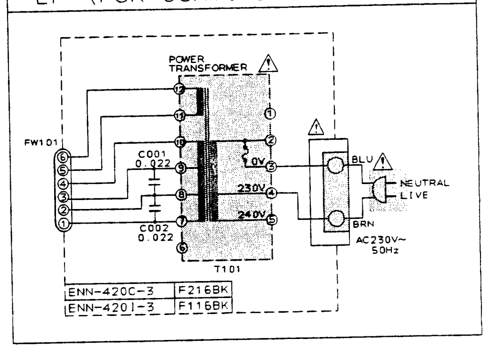
Notes:

1. ——— indicates + B power supply.
2. - - - - - indicates – B power supply.
3. indicates main signal path.
4. When replacing the parts in the shaded are ( ) and those marked with ⚠ , be sure to use the designated parts to ensure safety.
5. The design and contents are subject to change without notice.

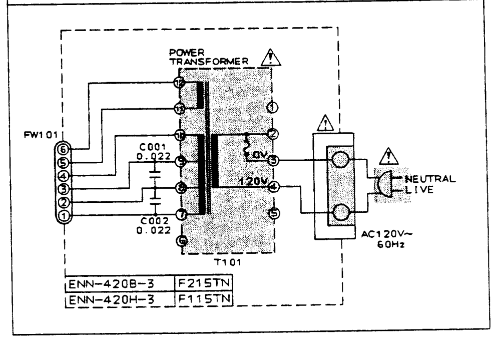
BS (FOR U.K.)


POWER TRANSFORMER
FW101
C001 0.022
C002 0.022
0V
230V
240V
T101
BLU
BRN
NEUTRAL
LIVE
AC240V~ 50Hz
ENN-420EBS-3 F216BK
ENN-420KBS-3 F116BK

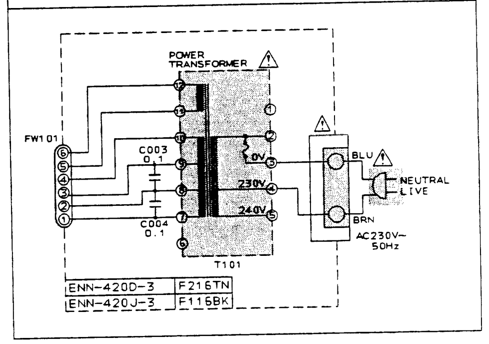
EN (FOR SCANDINAVIA)
EF (FOR CONTINENTAL EUROPE)


POWER TRANSFORMER
FW101
C001 0.022
C002 0.022
0V
230V
240V
T101
BLU
BRN
NEUTRAL
LIVE
AC230V~ 50Hz
ENN-420C-3 F216BK
ENN-420J-3 F116BK

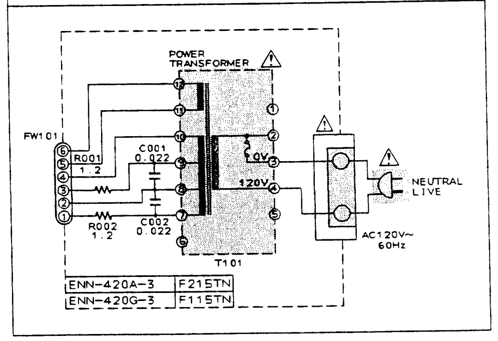
C (FOR CANADA)


POWER TRANSFORMER
FW101
C001 0.022
C002 0.022
0V
120V
T101
NEUTRAL
LIVE
AC120V~ 60Hz
ENN-420B-3 F215TN
ENN-420H-3 F115TN

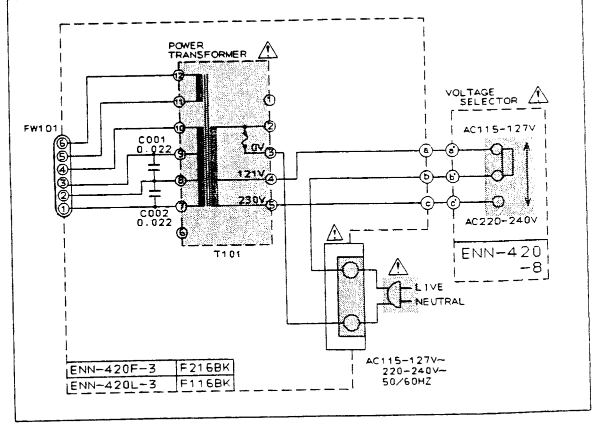
G (FOR GERMANY)


POWER TRANSFORMER
FW101
C003 0.1
C004 0.1
0V
230V
240V
T101
BLU
BRN
NEUTRAL
LIVE
AC230V~ 50Hz
ENN-420D-3 F216TN
ENN-420J-3 F116BK

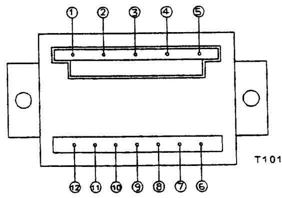
J (FOR U.S.A.)


POWER TRANSFORMER
FW101
R001 1.2
R002 1.2
C001 0.022
C002 0.022
0V
120V
T101
NEUTRAL
LIVE
AC120V~ 60Hz
ENN-420A-3 F215TN
ENN-420G-3 F115TN

U (FOR OTHER AREAS)
UT (FOR TAIWAN)


POWER TRANSFORMER
FW101
C001 0.022
C002 0.022
0V
121V
230V
T101
VOLTAGE SELECTOR
AC115-127V
AC220-240V
ENN-420 -8
LIVE
NEUTRAL
AC115-127V~ 220-240V~ 50/60HZ
ENN-420F-3 F216BK
ENN-420L-3 F116BK

BS, EN, EF, U, UT, G, J, C


① ② ③ ④ ⑤
⑫ ⑪ ⑩ ⑨ ⑧ ⑦ ⑥

T101 POWER TRANSFORMER (BOTTOM VIEW)

XL-F115TN

< Parts List >

※ All printed circuit boards assemblies are not arailable as service parts.

– Contents–

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CD Mechanism Ass'y and Parts LIst 2-7

Printed Circuit Board Ass'y and Parts List 2-8

- ■ ENN-420 ☐ Main PC Board Ass'y 2-8
- ■ ENN-421 ☐ Display & Pin Jack PC Board Ass'y 2-12

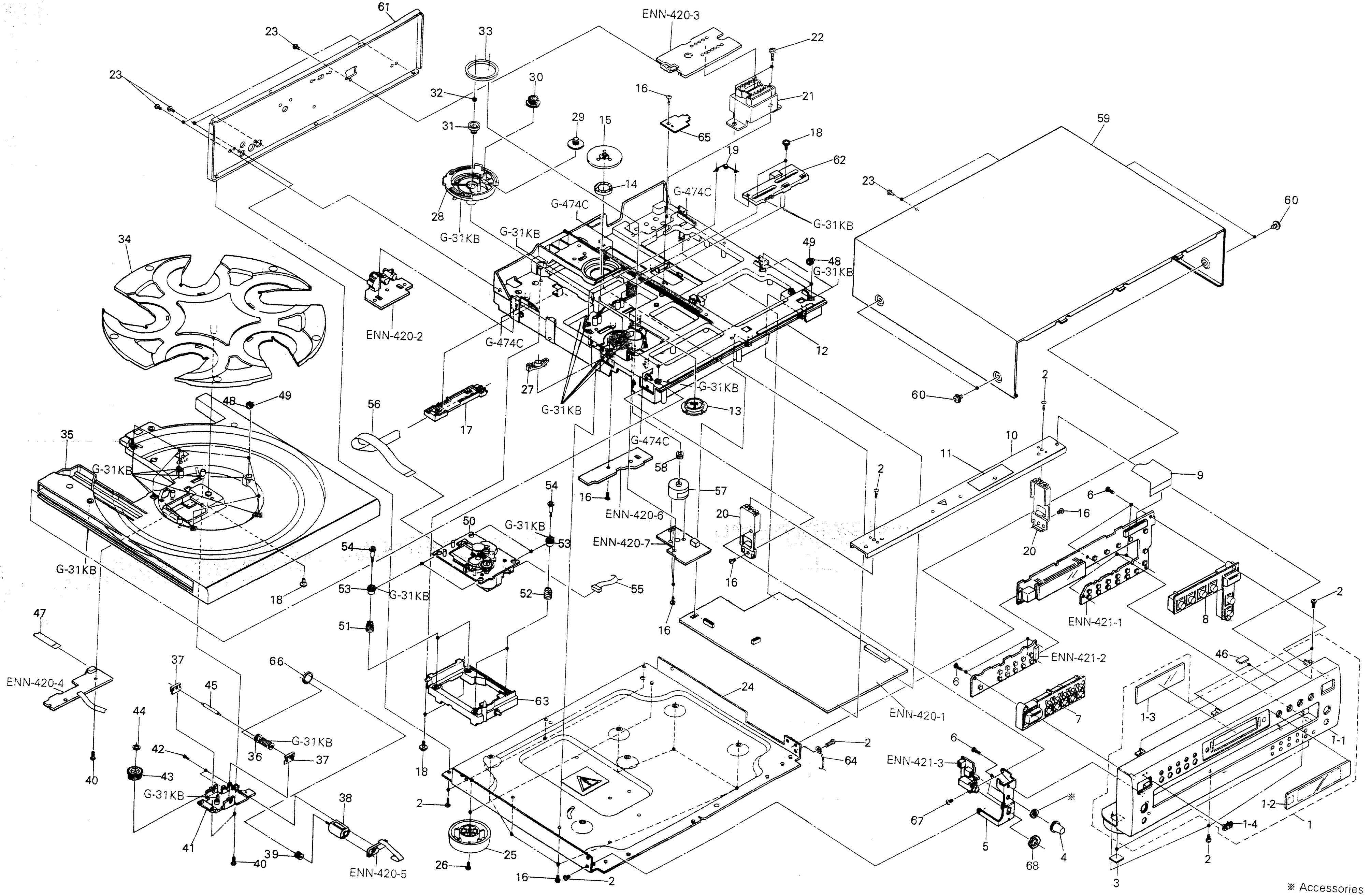
Accessories 2-13

Packing Materials and Part Numbers 2-14

General Exploded View and Parts List

■ Grease Point

Symbol No. M 1 M M


61
23
23
33
32
31
30
29
15
14
28
G-31KB
ENN-420-3
22
16
21
65
18
19
62
G-474C
G-474C
G-31KB
G-31KB
59
23
60
49
48
G-31KB
34
ENN-420-2
G-474C
12
27
G-31KB
G-31KB
13
60
2
48
49
56
17
35
G-31KB
G-474C
58
57
16
ENN-420-6
ENN-420-7
10
11
9
2
20
6
16
20
54
50
G-31KB
53
54
53
G-31KB
52
55
16
16
G-31KB
18
51
ENN-421-1
8
2
47
ENN-420-4
37
45
66
44
36
G-31KB
37
42
43
G-31KB
41
40
40
39
38
ENN-420-5
63
24
18
2
25
26
16
2
ENN-420-1
64
2
ENN-421-2
6
7
46
1-3
1-1
ENN-421-3
6
67
5
68
4
※
1-2
1-4
1
2
3

※ Accessories

Symbol No. M 1 M M

■ Parts List

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	EFP-XLF115TNJ(S	FRONT PANEL ASSY	1		
	1-1	E102893-003ST	FRONT PANEL	1		
	1-2	E308113-011SS	WINDOW SCREEN	1		
	1-3	E407117-001	FLOURESCENT DISPL.SCREEN	1		
	1-4	VJD5429-001	JVC MARK	1		
	2	SDSG3006Z	TAPPING SCREW	10		
		SDSG3006Z	TAPPING SCREW	3		C
		SDSG3006Z	TAPPING SCREW	4		J
	3	E75896-001	SPACER	2	FRONT FOOT	
	4	E309097-003	VOLUME KNOB	1	HEAD PHONE	C
		E309097-003	VOLUME KNOB	1		J
	5	E309048-001	HEADPHONE BRACKET	1		
	6	SDSF2608Z	SCREW	9		
	7	E208219-001	PUSH BUTTON	1	POWER	
	8	E208221-001	PUSH BUTTON	1	PLAY / PAUSE	
	9	VWF1232-25TTB	FLAT WIRE ASSY	1		
	10	E207495-001SS	MECHA FLAME	1		
	11	E406709-001	MECHA CAUTION LABEL	1		C
	12	E102883-001	MECHA BASE	1		
	13	E306835-001	CLAMPER	1		
	14	E74897-002	MAGNET	1		
	15	E306836-003	YOKE PLATE	1		
	16	SBSF3008Z	TAPPING SCREW	6		
		SBSF3008Z	TAPPING SCREW	7		C
		SBSF3008Z	TAPPING SCREW	7		J
	17	E308181-221SS	FFC HOLDER	1		
	18	E65923-003	TAPPING SCREW	5		
	19	E408293-002	SPRING	1		
	20	E308111-002SS	STAY BRACKET	2		
⚠	21	ETP1000-77JAJ	POWER TRANSFORMER	1		
	22	SBSF4008Z	TAPPING SCREW	2	FOR POWERTRANS	
	23	E73273-006	SPECIAL SCREW	5		
		E73273-006	SPECIAL SCREW	2	REAR & BASE	C
		E73273-006	SPECIAL SCREW	2		J
	24	E102595-003SSF	CHASSIS BASE	1		
	25	E406379-009SS	FOOT	2		
	26	SBST3008Z	TAPPING SCREW	2		
	27	E309020-001	SWITCH LEVER	1		
	28	E309019-001	DRIVE BASE	1		
	29	E408203-001	GEAR	1		
	30	E408202-001	DRIVE GEAR	1		
	31	E75985-001	GEAR (1)	1		
	32	E72024-001	SPEED NUT	1		
	33	E75950-002	BELT	1		
	34	E102885-001	DISC TABLE	1		
	35	E102884-001	CD TRAY	1		
	36	E408199-001	PULLEY WORM	1		
	37	E408201-001	SHAFT GUIDE	2		
	38	FF-130SH-11340	DC MOTOR	1		
	39	E73060-001	CD M.PULLEY	1		
	40	SDSF3008M	SCREW	3		
	41	E309030-001	MOTOR BRACKET	1		
	42	SPSK2025Z	SCREW	2	MOTOR (FF-130SH)	
	43	E408200-001	WORM WHEEL	1		
	44	WDL360850	WASHER	1		
	45	E408197-001	PULLEY SHAFT	1		
	46	E306805-138	SPACER	1		
	47	VWF1007-25PPA	FFC CABLE	1		
	48	E407140-001SS	CD ROLLER	10		
	49	E407149-001SS	RUBBER TUBE	10		
	50	—————	CD MECHANISM ASSY	1	SEE PAGE 2-7	
	51	E407154-002	SPRING	2		
	52	E407154-001	SPRING	2		
	53	E407153-001	INSULATOR	4		
	54	E407146-001	SPECIAL SCREW	4	INSULATOR	
	55	EWS266-B409	SOCKET WIRE ASSY	1	6PIN	
	56	EWPZ02-001	FFC CABLE	1	15PIN	
	57	RF-500TB-12560	DC MOTOR	1		
	58	E75984-221	MOTOR PULLEY	1		
	59	E207496-003	METAL COVER	1		
	60	E406308-001	SPECIAL SCREW	4	METAL COVER (SIDE)	
	61	E208223-016SSF	REAR PANEL	1		C
		E208223-008SSF	REAR PANEL	1		J
	62	E208211-001	CAM PLATE	1		
	63	E208210-001	ELEVATOR BASE	1		
	64	EWT021-040	TERMINAL WIRE	1		J
	65	E408395-001	PROTECT COVER	1		
	66	E75950-003	DRIVE BELT	1		
	67	SDSG3008Z	SCREW	1		
	68	VKZ4150-001	NUT	1		
	-	E61029-005	NUMBER LABEL	1		C
	-	E307570-001	NUMBER LABEL	1		J
	-	E45858-002	CAUTION LABEL	1		C

⚠ : Safety Parts

The Marks for Designated Areas

J ..... the U.S.A.

C ..... Canada

No mark indicates all area.

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	45	E408197-001	PULLEY SHAFT	1		
	46	E306805-138	SPACER	1		
	47	VWF1007-25PPA	FFC CABLE	1		
	48	E407140-001SS	CD ROLLER	10		
	49	E407149-001SS	RUBBER TUBE	10		
	50	————————	CD MECHANISM ASSY	1	SEE PAGE 2-7	
	51	E407154-002	SPRING	2		
	52	E407154-001	SPRING	2		
	53	E407153-001	INSULATOR	4		
	54	E407146-001	SPECIAL SCREW	4	INSULATOR	
	55	EWS266-B409	SOCKET WIRE ASSY	1	6PIN	
	56	EWPZ02-001	FFC CABLE	1	15PIN	
	57	RF-500TB-12560	DC MOTOR	1		
	58	E75984-221	MOTOR PULLEY	1		
	59	E207496-003	METAL COVER	1		
	60	E406308-001	SPECIAL SCREW	4	METAL COVER (SIDE)	
	61	E208223-016SSF	REAR PANEL	1		C
		E208223-008SSF	REAR PANEL	1		J
	62	E208211-001	CAM PLATE	1		
	63	E208210-001	ELEVATOR BASE	1		
	64	EWT021-040	TERMINAL WIRE	1		J
	65	E408395-001	PROTECT COVER	1		
	66	E75950-003	DRIVE BELT	1		
	67	SDSG3008Z	SCREW	1		
	68	VKZ4150-001	NUT	1		
	-	E61029-005	NUMBER LABEL	1		C
	-	E307570-001	NUMBER LABEL	1		J
	-	E45858-002	CAUTION LABEL	1		C

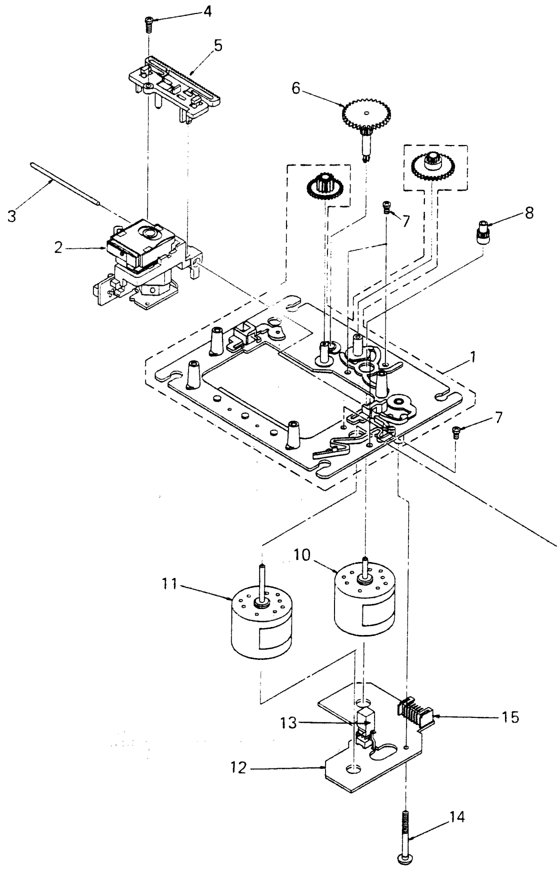
⚠ : Safety Parts

The Marks for Designated Areas

J ..... the U.S.A. C ..... Canada No mark indicates all area.

CD Mechanism Ass'y and Parts List

Symbol No. M 2 M M



■ Parts List (CD Mechanism Ass'y)

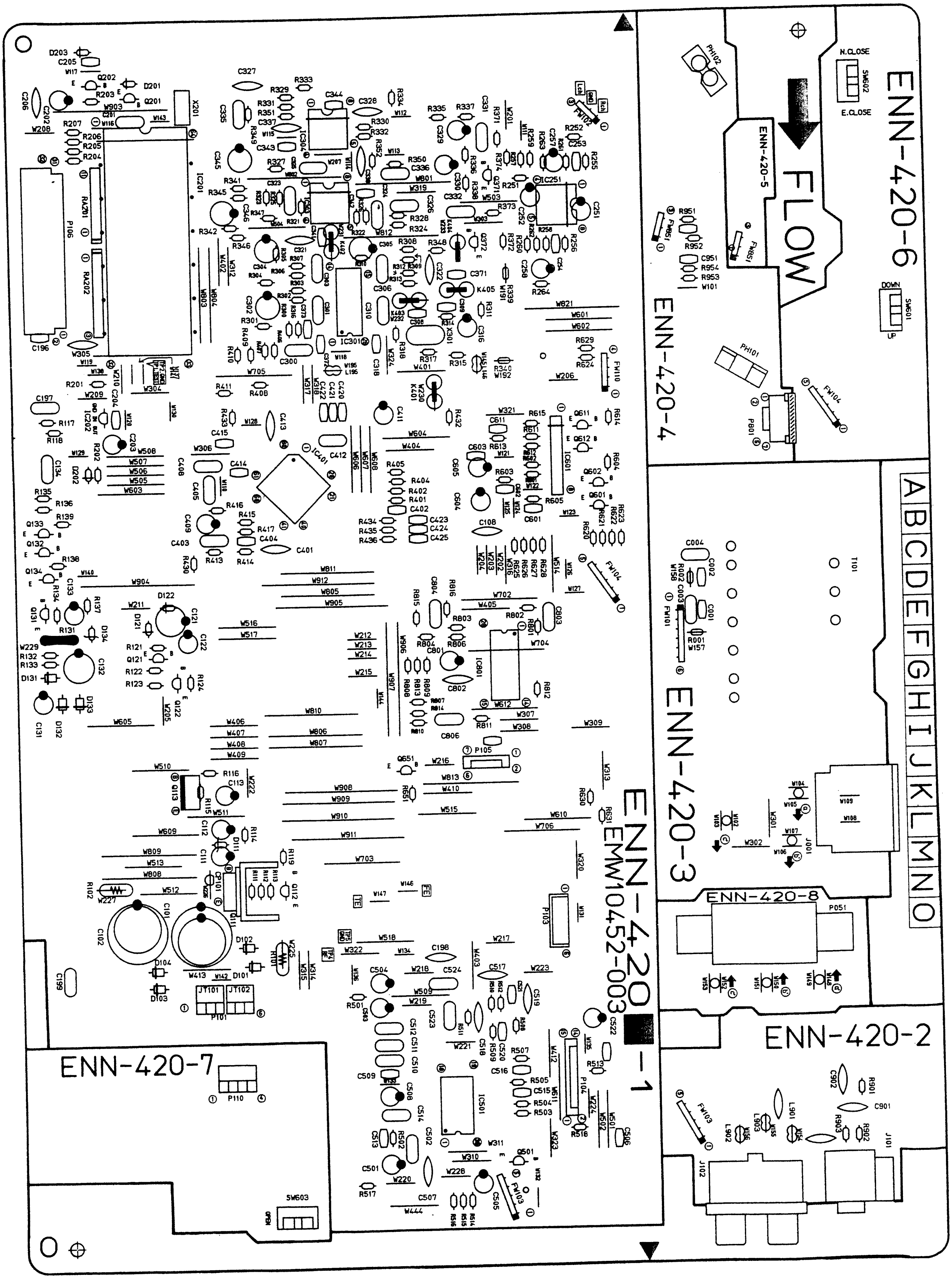
Symbol No. M 2 M M

Item	Part Number	Part Name	Q'ty	Description	Areas
1	EPB-002A	Base Ass'y	1		
2	OPTIMA-6S	Pick up	1		
3	E406777-001	Shaft	1		
4	SDSF2006Z	Screw	1		
5	E307746-001	Rack	1		
6	EPB-003A	Gear 3	1		
7	SDSP2003N	Screw	4		
8	E406750-001	Pinion Gear	1		
9	E75807-301	Turn Table Ass'y	1		
10	E406784-001	Feed Motor	1		
11	E406783-001	Spindle Motor	1		
12	EMW10190-001 (S)	Circuit Board	1		
13	ESB1100-005	Leaf Switch	1		
14	E75832-001	Special Screw	1		
15	EMV5109-006B	6P Plug Ass'y	1		

Printed Circuit Board Ass'y and Parts List

■ ENN-420☐ Main PC Board Assy

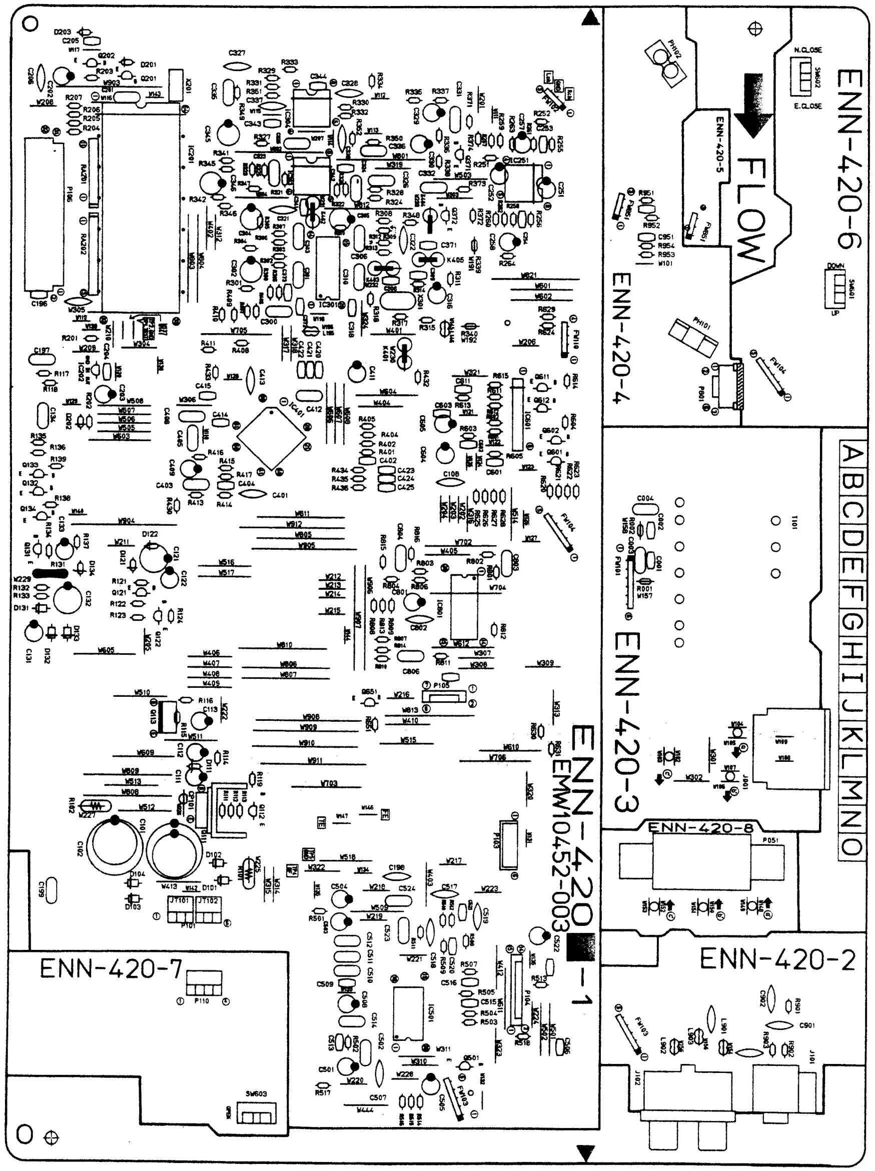
Note : ENN-420☐ varies according to the areas employed. See note (1) when placing an order.


ENN-420-6
ENN-420-5
FLOW
ENN-420-4
ENN-420-3
ENN-420-8
ENN-420-2
ENN-420-7
ENN-420■-1
EMW10452-003
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
N.CLOSE
E.CLOSE
DOWN
UP
OPEN
IC201
IC301
IC401
IC501
IC601
IC801
IC251
P101
P103
P104
P105
P106
P110
P051
P801
J001
J101
J102
SW601
SW602
SW603
PH101
PH102
T101

Printed Circuit Board Ass'y and Parts List

■ ENN-420☐ Main PC Board Assy

Note : ENN-420☐ varies according to the areas employed. See note (1) when placing an order.



Note (1)

PC Board Ass'y	Version	Designated Areas
ENN-420 H	C	Canada
ENN-420 G	J	the U.S.A.

Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q111	2SB1565(E,F)	SI.TRANSIST ROHM	
	Q112	2SD1302	SI.TRANSIST MATSUSHITA	
	Q113	2SB1357(E,F)	SI.TRANSIST ROHM	
	Q121	2SA933S(RS)	SI.TRANSIST	
	Q122	DTC114YS	DIGITAL TRA ROHM	
	Q131	2SA933S(RS)	SI.TRANSIST	
	Q132	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q133	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q134	DTA114YS	DIGITAL TRA ROHM	
	Q201	DTA114YS	DIGITAL TRA ROHM	
	Q202	DTC144ES	DIGITAL TRA ROHM	
	Q371	2SD1302	SI.TRANSIST MATSUSHITA	
	Q372	2SD1302	SI.TRANSIST MATSUSHITA	
	Q501	2SA950(O,Y)	SI.TRANSIST TOSHIBA	
	Q601	2SC2060(Q,R)	SI.TRANSIST ROHM	
	Q602	2SA934(Q,R)	SI.TRANSIST ROHM	
	Q611	2SC2060(Q,R)	SI.TRANSIST ROHM	
	Q612	2SA934(Q,R)	SI.TRANSIST ROHM	
	Q651	2SC1740S(R,S)	SI.TRANSIST ROHM	

⚠ : SAFETY PARTS

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	C
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	J
	IC202	MN1281(P,Q)	I.C(DIGI-MO MATSUSHITA	
	IC251	VC4580D	I.C(MONO-AN	C
	IC251	VC4580D	I.C(MONO-AN	J
	IC301	MN35502	I.C(DIGI-MO MATSUSHITA	
	IC304	VC4580D	I.C(MONO-AN	C
	IC304	VC4580D	I.C(MONO-AN	J
	IC401	MN662720RB	I.C(DIGI-MO MATSUSHITA	
	IC501	AN8803SB	I.C(MONO-AN MATSUSHITA	
	IC601	VC4580L	I.C(MONO-AN DAINICHI	
	IC801	BA6393FP	I.C(MONO-AN ROHM	

⚠ : SAFETY PARTS

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D101	1SR35-200A	SI.DIODE ROHM	
	D102	1SR35-200A	SI.DIODE ROHM	
	D103	1SR35-200A	SI.DIODE ROHM	
	D104	1SR35-200A	SI.DIODE ROHM	
	D111	MTZ5.6JA	ZENER DIODE ROHM	
	D121	1SS133	SI.DIODE ROHM	
	D122	1SS133	SI.DIODE ROHM	
	D131	1SR35-200A	SI.DIODE ROHM	
	D132	1SR35-200A	SI.DIODE ROHM	
	D133	1SR35-200A	SI.DIODE ROHM	
	D134	MTZ30JC	ZENER DIODE ROHM	
	D201	1SS133	SI.DIODE ROHM	
	D202	1SS133	SI.DIODE ROHM	
	D203	1SS133	SI.DIODE ROHM	C
	D203	1SS133	SI.DIODE ROHM	J

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C001	QCHB1EZ-223	0.022MF 25V CER.CAPACI	C
	C001	QCHB1EZ-223	0.022MF 25V CER.CAPACI	J
	C002	QCHB1EZ-223	0.022MF 25V CER.CAPACI	C
	C002	QCHB1EZ-223	0.022MF 25V CER.CAPACI	J
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	C
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	J
	C102	QETB1CM-108N	1000MF 16V E.CAPACITO	
	C108	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C111	QETB1HM-225	2.2MF 50V E.CAPACITO	
	C112	QETB1AM-476	47MF 10V E.CAPACITO	
	C113	QETB1AM-476	47MF 10V E.CAPACITO	
	C121	QETB1CM-227	220MF 16V AL E.CAPAC	
	C122	QETB1CM-226	22MF 16V E.CAPACITO	
	C131	QETB1EM-476	47MF 25V AL E.CAPAC	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C132	QETB1HM-476	47MF 50V E.CAPACITO	
	C133	QETB1HM-106	10MF 50V E.CAPACITO	
	C134	QFV81HJ-104	0.1MF 50V THIN FILM	
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	C
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	J
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	C
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	J
	C201	QFV81HJ-224	0.22MF 50V THIN FILM	
	C202	QETB1AM-476	47MF 10V E.CAPACITO	
	C203	QETB1EM-106	10MF 25V AL E.CAPAC	
	C204	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C205	QCBB1HK-331Y	330PF 50V CER.CAPACI	
	C251	QETB1EM-476	47MF 25V AL E.CAPAC	
	C252	QETB1EM-476	47MF 25V AL E.CAPAC	
	C253	QCBB1HK-181Y	180PF 50V CER.CAPACI	
	C254	QCBB1HK-181Y	180PF 50V CER.CAPACI	
	C257	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C258	GETB1HM-475E	4.7MF 50V E.CAPACITO	
	C300	GCZ0202-155	1.5MF 25V CER.RESIST	
	C301	QCZ0202-155	1.5MF 25V CER.RESIST	
	C302	GETB1AM-227	220MF 10V E.CAPACITO	
	C303	GCZ0202-155	1.5MF 25V CER.RESIST	
	C304	QETB0JM-227	220MF 6.3V E.CAPACITO	
	C305	GETB0JM-227	220MF 6.3V E.CAPACITO	
	C306	QCZ0202-155	1.5MF 25V CER.RESIST	
	C308	QCT30CH-120Y	12PF 50V CER.CAPACI	
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	C
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	J
	C310	QCZ0202-155	1.5MF 25V CER.RESIST	
	C316	QETB1AM-476	47MF 10V E.CAPACITO	
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	C
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	J
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	C
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	J
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	C
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	J
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	C
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	J
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	C
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	J
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	C
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	J
	C329	QETB1EM-476	47MF 25V AL E.CAPAC	
	C330	QETB1EM-476	47MF 25V AL E.CAPAC	
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	C
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	J
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	C
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	J
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	C
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	J
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	C
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	J
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	C
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	J
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	C
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	J
	C343	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C344	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C345	QETB1EM-476	47MF 25V AL E.CAPAC	
	C346	QETB1EM-476	47MF 25V AL E.CAPAC	
	C399	QCS21HJ-100	10PF 50V CER.CAPACI	J
	C401	QCS31HJ-471Z	470PF 50V CER.CAPACI	
	C402	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C403	QFN81HJ-223	0.022MF 50V METAL.MYLA	
	C404	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C405	QFV71HJ-334ZM	0.33MF 50V THIN FILM	
	C408	QFV81HJ-104	0.1MF 50V THIN FILM	
	C409	QETB1AM-476	47MF 10V E.CAPACITO	
	C411	GETB1AM-476	47MF 10V E.CAPACITO	
	C412	QFV81HJ-104	0.1MF 50V THIN FILM	
	C413	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C414	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C415	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C501	QETB1AM-107	100MF 10V AL E.CAPAC	
	C502	QFV81HJ-104	0.1MF 50V THIN FILM	
	C503	QETB1AM-476	47MF 10V E.CAPACITO	
	C504	QETB1AM-107	100MF 10V AL E.CAPAC	
	C505	QER51EM-106	10MF 25V E.CAPACITO	C
	C505	QER51EM-106	10MF 25V E.CAPACITO	J
	C506	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C507	QCS31HJ-680Z	68PF 50V CER.CAPACI	
	C508	GETB1HM-105	1MF 50V AL E.CAPAC	
	C509	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C510	QFV81HJ-273	0.027MF 50V THIN FILM	
	C511	QFN81HJ-472	4700PF 50V MYLAR CAPA	
	C512	QFN81HJ-332	3300PF 50V METAL.MYLA	
	C513	QCT30CH-3R3	3.3PF 50V CER.CAPACI	
	C514	QFV81HJ-104	0.1MF 50V THIN FILM	
	C515	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C516	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C517	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C518	QCF21HP-222	2200PF 50V CER.CAPACI	
	C519	QCS31HJ-271Z	270PF 50V CER.CAPACI	
	C520	QCSB1HJ-680	68PF 50V CER.CAPACI	
	C521	QCGB1HK-821	820PF 50V CER.CAPACI	

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C522	QETB1AM-476	47MF 10V E.CAPACITO	
	C523	QFV81HJ-104	0.1MF 50V THIN FILM	
	C524	QFV81HJ-104	0.1MF 50V THIN FILM	
	C601	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C602	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C603	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C604	QETB1CM-476	47MF 16V AL E.CAPAC	
	C605	QETB1CM-476	47MF 16V AL E.CAPAC	
	C611	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C801	QEK51CM-107	100MF 16V E.CAPACITO	
	C802	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C803	QFN81HJ-273	0.027MF 50V METAL.MYLA	
	C804	QFN81HJ-183	0.018MF 50V METAL.MYLA	
	C806	QFV81HJ-273	0.027MF 50V THIN FILM	
	C901	QCS31HJ-101Z	100PF 50V CER.CAPACI	
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	C
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	J

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R001	QRD161J-1R2YT	1.2 1/6W CARBON	J
	R002	QRD161J-1R2YT	1.2 1/6W CARBON	J
⚠	R101	PTH61G30BD2R2N	FUSIBLE RE	C
⚠	R102	PTH61G30BD2R2N	FUSIBLE RE	C
	R111	QRD161J-222	2.2K 1/6W CARBON RES	
	R112	QRD161J-221	220 1/6W CARBON RES	
	R113	QRD161J-221	220 1/6W CARBON RES	
	R114	QRD161J-202	2K 1/6W CARBON RES	C
	R114	QRD161J-202	2K 1/6W CARBON RES	J
	R115	QRD167J-102	1K 1/6W CARBON RES	
	R116	QRD161J-821	820 1/6W CARBON RES	
	R117	QRD167J-1R5	1.5 1/6W CARBON RES	
	R118	QRD167J-1R5	1.5 1/6W CARBON RES	
	R119	QRD161J-202	2K 1/6W CARBON RES	C
	R119	QRD161J-202	2K 1/6W CARBON RES	J
	R121	QRD161J-331	330 1/6W CARBON RES	
	R122	QRD167J-822	8.2K 1/6W CARBON RES	
	R123	QRD161J-683	68K 1/6W CARBON RES	
	R124	QRD161J-221	220 1/6W CARBON RES	
⚠	R131	QRZ0077-560	56 1/4W FUSIBLE RE	C
	R132	QRD161J-362	3.6K 1/6W CARBON RES	
	R133	QRD161J-362	3.6K 1/6W CARBON RES	
	R134	QRD167J-121	120 1/6W CARBON RES	
	R135	QRD161J-911	910 1/6W CARBON RES	
	R136	QRD161J-911	910 1/6W CARBON RES	
	R137	QRD161J-103	10K 1/6W CARBON RES	
	R138	QRD161J-103	10K 1/6W CARBON RES	
	R139	QRD161J-103	10K 1/6W CARBON RES	
	R201	QRD161J-103	10K 1/6W CARBON RES	
	R202	QRD167J-102	1K 1/6W CARBON RES	
	R203	QRD161J-472	4.7K 1/6W CARBON RES	
	R204	QRD161J-103	10K 1/6W CARBON RES	
	R205	QRD161J-103	10K 1/6W CARBON RES	
	R206	QRD161J-103	10K 1/6W CARBON RES	
	R207	QRD161J-103	10K 1/6W CARBON RES	
	R251	QRD161J-221	220 1/6W CARBON RES	
	R252	QRD161J-221	220 1/6W CARBON RES	
	R255	QRD167J-153	15K 1/6W CARBON RES	
	R256	QRD167J-153	15K 1/6W CARBON RES	
	R257	QRD161J-273	27K 1/6W CARBON RES	
	R258	QRD161J-273	27K 1/6W CARBON RES	
	R259	QRD161J-473	47K 1/6W CARBON RES	
	R260	QRD161J-473	47K 1/6W CARBON RES	
	R261	QRD161J-103	10K 1/6W CARBON RES	
	R262	QRD161J-103	10K 1/6W CARBON RES	
	R263	QRD161J-561	560 1/6W CARBON RES	
	R264	QRD161J-561	560 1/6W CARBON RES	
	R300	QRD167J-680	68 1/6W CARBON RES	C
	R300	QRD167J-680	68 1/6W CARBON RES	J
	R301	QRD167J-680	68 1/6W CARBON RES	C
	R301	QRD167J-680	68 1/6W CARBON RES	J
	R302	QRD161J-363	36K 1/6W CARBON RES	C
	R302	QRD161J-363	36K 1/6W CARBON RES	J
	R303	QRD161J-363	36K 1/6W CARBON RES	C
	R303	QRD161J-363	36K 1/6W CARBON RES	J
	R304	QRD161J-271	270 1/6W CARBON RES	C
	R304	QRD161J-271	270 1/6W CARBON RES	J
	R305	QRD161J-182	1.8K 1/6W CARBON RES	
	R306	QRD161J-363	36K 1/6W CARBON RES	C
	R306	QRD161J-363	36K 1/6W CARBON RES	J
	R307	QRD161J-363	36K 1/6W CARBON RES	C
	R307	QRD161J-363	36K 1/6W CARBON RES	J
	R308	QRD161J-363	36K 1/6W CARBON RES	C
	R308	QRD161J-363	36K 1/6W CARBON RES	J
	R309	QRD161J-363	36K 1/6W CARBON RES	C
	R309	QRD161J-363	36K 1/6W CARBON RES	J
	R310	QRD161J-182	1.8K 1/6W CARBON RES	
	R311	QRD161J-271	270 1/6W CARBON RES	C
	R311	QRD161J-271	270 1/6W CARBON RES	J
	R312	QRD161J-363	36K 1/6W CARBON RES	C

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R312	QRD161J-363	36K 1/6W CARBON RES	J
	R313	QRD161J-363	36K 1/6W CARBON RES	C
	R313	QRD161J-363	36K 1/6W CARBON RES	J
	R314	QRD161J-271	270 1/6W CARBON RES	
	R315	QRD161J-271	270 1/6W CARBON RES	C
	R315	QRD161J-271	270 1/6W CARBON RES	J
	R316	QRD161J-271	270 1/6W CARBON RES	
	R317	QRD167J-155	1.5M 1/6W CARBON RES	
	R318	QRD167J-102	1K 1/6W CARBON RES	
	R323	QRD167J-153	15K 1/6W CARBON RES	C
	R323	QRD167J-153	15K 1/6W CARBON RES	J
	R324	QRD167J-153	15K 1/6W CARBON RES	C
	R324	QRD167J-153	15K 1/6W CARBON RES	J
	R329	QRD161J-333	33K 1/6W CARBON RES	C
	R329	QRD161J-333	33K 1/6W CARBON RES	J
	R330	QRD161J-333	33K 1/6W CARBON RES	C
	R330	QRD161J-333	33K 1/6W CARBON RES	J
	R331	QRD161J-362	3.6K 1/6W CARBON RES	C
	R331	QRD161J-362	3.6K 1/6W CARBON RES	J
	R332	QRD161J-362	3.6K 1/6W CARBON RES	C
	R332	QRD161J-362	3.6K 1/6W CARBON RES	J
	R333	QRD161J-183	18K 1/6W CARBON RES	
	R334	QRD161J-183	18K 1/6W CARBON RES	
	R335	QRD161J-273	27K 1/6W CARBON RES	
	R336	QRD161J-273	27K 1/6W CARBON RES	
	R337	QRD167J-431	430 1/6W CARBON RES	
	R338	QRD167J-431	430 1/6W CARBON RES	
	R339	QRD161J-101	100 1/6W CARBON RES	
	R340	QRD161J-101	100 1/6W CARBON RES	
	R341	QRD161J-221	220 1/6W CARBON RES	
	R342	QRD161J-221	220 1/6W CARBON RES	
	R345	QRD161J-221	220 1/6W CARBON RES	
	R346	QRD161J-221	220 1/6W CARBON RES	
	R347	QRD167J-153	15K 1/6W CARBON RES	C
	R347	QRD167J-153	15K 1/6W CARBON RES	J
	R348	QRD167J-153	15K 1/6W CARBON RES	C
	R348	QRD167J-153	15K 1/6W CARBON RES	J
	R349	QRD161J-333	33K 1/6W CARBON RES	C
	R349	QRD161J-333	33K 1/6W CARBON RES	J
	R350	QRD161J-333	33K 1/6W CARBON RES	C
	R350	QRD161J-333	33K 1/6W CARBON RES	J
	R351	QRD161J-362	3.6K 1/6W CARBON RES	C
	R351	QRD161J-362	3.6K 1/6W CARBON RES	J
	R352	QRD161J-362	3.6K 1/6W CARBON RES	C
	R352	QRD161J-362	3.6K 1/6W CARBON RES	J
	R371	QRD161J-103	10K 1/6W CARBON RES	
	R372	QRD161J-103	10K 1/6W CARBON RES	
	R373	QRD161J-684	680K 1/6W CARBON RES	
	R374	QRD161J-473	47K 1/6W CARBON RES	
	R401	QRD167J-102	1K 1/6W CARBON RES	
	R402	QRD167J-102	1K 1/6W CARBON RES	
	R404	QRD167J-102	1K 1/6W CARBON RES	
	R405	QRD167J-102	1K 1/6W CARBON RES	
	R406	QRD167J-102	1K 1/6W CARBON RES	
	R407	QRD167J-102	1K 1/6W CARBON RES	
	R408	QRD167J-102	1K 1/6W CARBON RES	
	R409	QRD167J-102	1K 1/6W CARBON RES	
	R410	QRD167J-102	1K 1/6W CARBON RES	
	R411	QRD167J-102	1K 1/6W CARBON RES	
	R413	QRD167J-155	1.5M 1/6W CARBON RES	
	R414	QRD161J-104	100K 1/6W CARBON RES	
	R415	QRD161J-104	100K 1/6W CARBON RES	
	R416	QRD161J-681	680 1/6W CARBON RES	
	R417	QRD161J-124	120K 1/6W CARBON RES	
	R430	QRD161J-2R2	2.2 1/6W CARBON RES	
	R432	QRD161J-2R2	2.2 1/6W CARBON RES	
	R433	QRD167J-102	1K 1/6W CARBON RES	
	R434	QRD167J-102	1K 1/6W CARBON RES	
	R435	QRD167J-102	1K 1/6W CARBON RES	
	R436	QRD167J-102	1K 1/6W CARBON RES	
	R501	QRD167J-471	470 1/6W CARBON RES	
	R502	QRD161J-123	12K 1/6W CARBON RES	
	R503	QRD161J-103	10K 1/6W CARBON RES	
	R504	QRD161J-103	10K 1/6W CARBON RES	
	R505	QRD167J-134	130K 1/6W CARBON RES	
	R507	QRD161J-913	91K 1/6W CARBON RES	
	R508	QRD161J-273	27K 1/6W CARBON RES	
	R509	QRD161J-683	68K 1/6W CARBON RES	
	R510	QRD167J-154	150K 1/6W CARBON RES	
	R511	QRD161J-394	390K 1/6W CARBON RES	
	R512	QRD161J-103	10K 1/6W CARBON RES	
	R513	QRD167J-121	120 1/6W CARBON RES	
	R514	QRD161J-470	47 1/6W CARBON RES	
	R515	QRD161J-470	47 1/6W CARBON RES	
	R516	QRD161J-470	47 1/6W CARBON RES	
	R517	QRD161J-2R2	2.2 1/6W CARBON RES	
	R518	QRD161J-910Y	91 1/6W CARBON RES	
	R601	QRD161J-203	20K 1/6W CARBON RES	
	R602	QRD161J-203	20K 1/6W CARBON RES	
	R603	QRD167J-153	15K 1/6W CARBON RES	
	R604	QRD167J-151	150 1/6W CARBON RES	
	R605	QRD167J-153	15K 1/6W CARBON RES	
	R611	QRD161J-183	18K 1/6W CARBON RES	
	R612	QRD161J-183	18K 1/6W CARBON RES	
	R613	QRD161J-243	24K 1/6W CARBON RES	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R614	QRD167J-151	150 1/6W CARBON RES	
	R615	QRD161J-243	24K 1/6W CARBON RES	
	R620	QRD167J-151	150 1/6W CARBON RES	
	R621	QRD167J-151	150 1/6W CARBON RES	
	R622	QRD167J-151	150 1/6W CARBON RES	
	R623	QRD167J-151	150 1/6W CARBON RES	
	R624	QRD167J-151	150 1/6W CARBON RES	
	R625	QRD167J-562	5.6K 1/6W CARBON RES	
	R626	QRD167J-562	5.6K 1/6W CARBON RES	
	R627	QRD167J-562	5.6K 1/6W CARBON RES	
	R628	QRD167J-562	5.6K 1/6W CARBON RES	
	R629	QRD167J-562	5.6K 1/6W CARBON RES	
	R630	QRD167J-562	5.6K 1/6W CARBON RES	
	R631	QRD167J-151	150 1/6W CARBON RES	
	R651	QRD161J-103	10K 1/6W CARBON RES	
	R801	QRD161J-821	820 1/6W CARBON RES	
	R802	QRD167J-562	5.6K 1/6W CARBON RES	
	R803	QRD161J-112	1.1K 1/6W CARBON RES	
	R804	QRD167J-113	11K 1/6W CARBON RES	
	R806	QRD161J-124	120K 1/6W CARBON RES	
	R807	QRD167J-332	3.3K 1/6W CARBON RES	
	R808	QRD161J-752	7.5K 1/6W CARBON RES	
	R809	QRD167J-223	22K 1/6W CARBON RES	
	R810	QRD161J-472	4.7K 1/6W CARBON RES	
	R811	QRD167J-153	15K 1/6W CARBON RES	
	R812	QRD161J-752	7.5K 1/6W CARBON RES	
	R813	QRD167J-751	750 1/6W CARBON RES	
	R814	QRD167J-433	43K 1/6W CARBON RES	C
	R814	QRD167J-433	43K 1/6W CARBON RES	J
	R816	QRD167J-562	5.6K 1/6W CARBON RES	
	R901	QRD161J-221	220 1/6W CARBON RES	
	R902	QRD161J-221	220 1/6W CARBON RES	
	R903	QRD161J-101	100 1/6W CARBON RES	
	R951	QRD161J-331	330 1/6W CARBON RES	C
	R951	QRD161J-331	330 1/6W CARBON RES	J
	R952	QRD161J-123	12K 1/6W CARBON RES	C
	R952	QRD161J-123	12K 1/6W CARBON RES	J
	R953	QRD161J-331	330 1/6W CARBON RES	C
	R953	QRD161J-331	330 1/6W CARBON RES	J
	R954	QRD161J-472	4.7K 1/6W CARBON RES	C
	R954	QRD161J-472	4.7K 1/6W CARBON RES	J
	RA201	QRB109J-104	100K 1/10W NETWORK RE	
	RA202	QRB129J-104	100K 1/10W NETWORK RE	

⚠ : SAFETY PARTS

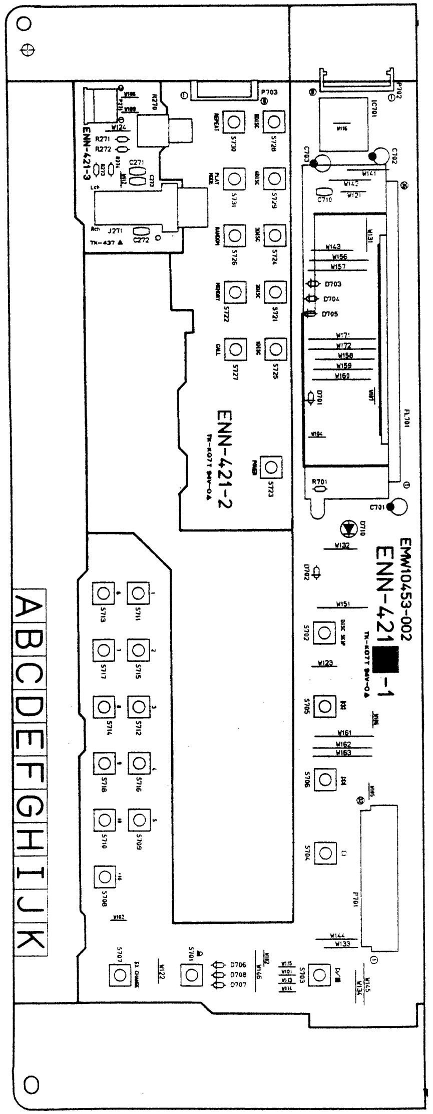
Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E70306-001	HEAT SINK	
		SBSE3008Z	SCREW	
		VYH7653-002	I.C.SOCKET	
		E3400-431	FELT SPACER	J
	J001	QMCB001-E03H	AC INLET	C
	J001	QMCB001-E03H	AC INLET	J
	J101	EMN00YV-210A	PIN JACK	
	J102	QMS3501-020	PIN JACK	
	K401	ENZ8101-007	INDUCTOR	J
	K402	ENZ8101-007	INDUCTOR	J
	P103	EMV5109-006A	CONNECT TER	
	P104	EMV7144-015	F.P.C.PLUG	
	P105	EMV7144-007	CONNECT TER 7PIN	
	P106	EMV7123-032R	CONNECT TER 32PIN	
	P110	EMV7122-004	CONNECT TER 4PIN	
	P801	EMV7144-007R	CONNECT TER 7PIN	
	X201	ECX0060-000EM	CERAMIC RES	
	X301	VCX5016-934V	CRYSTAL	C
	X301	VCX5016-934V	CRYSTAL	J
⚠	CP101	ICP-N10	I.C.PROTECT	C
	FW101	EWR36B-13LST	FLAT WIRE A	
	FW102	EWR33B-30LST	FLAT WIRE A	
	FW103	EWR35B-25SST	FLAT WIRE A	
	FW104	EWR35B-13SST	FLAT WIRE A	
	FW110	EWR34B-16LST	FLAT WIRE A	
	FW851	EWR33B-10SST	FLAT WIRE A	
	JT101	EMV7122-103	CONNECT TER	
	JT102	EMV7122-103	CONNECT TER	
	PH101	GP1A52HR	PHOTO SENSO	
	PH102	GP2S28	PHOTO SENSO	
	SW601	ESS1200-002	LEVER SWITC	
	SW602	ESS1200-002	LEVER SWITC	
	SW603	ESS1200-002	LEVER SWITC	

⚠ : SAFETY PARTS

■ ENN-421☐ Display & Pin Jack PC Board Ass'y

Note : ENN-421☐ varies according to the areas employed. See note (1) when placing an order.



Note (1)

PC Board Ass'y	Version	Designated Areas
ENN-421 D	C	Canada
ENN-421 E	J	the U.S.A.

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D701	1SS133	SI.DIODE ROHM	
	D702	1SS133	SI.DIODE ROHM	
	D703	1SS133	SI.DIODE ROHM	
	D704	1SS133	SI.DIODE ROHM	
	D705	1SS133	SI.DIODE ROHM	
	D706	1SS133	SI.DIODE ROHM	
	D710	SLH-56VCF07	L.E.D. ROHM	C
	D710	SLH-56VCF07	L.E.D. ROHM	J

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C273	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	C
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	J
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	C
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	J

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R270	QVAB79C-E53C	5K VARIABLE	
	R271	QRD161J-390	39 1/6W CARBON RES	
	R272	QRD161J-390	39 1/6W CARBON RES	
	R273	QRD161J-270	27 1/6W CARBON RES	
	R274	QRD161J-270	27 1/6W CARBON RES	
	R701	QRD161J-331	330 1/6W CARBON RES	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E306904-001SS	DISPLAY HOL	
		E306805-010	SPACER	
		ELU0001-179	FLUORESCENT	
	J271	QMS6A40-E20G	HEADPHONE J	
	L108	EQL4004-100	INDUCTOR	J
	L109	EQL4004-100	INDUCTOR	J
	L112	EQL4004-100	INDUCTOR	J
	P271	EMV7112-003R	CONNECT TER 3PIN	C
	P271	EMV7112-003R	CONNECT TER 3PIN	J
	P701	EMV7123-032R	CONNECT TER 32PIN	
	P702	EMV7120-008	CONNECT TER 8PIN	
	P703	EMV5120-008	CONNECT TER 8PIN	
	S701	QSQ1001-E01ZA	PUSH SWITCH ▲	
	S702	QSQ1001-E01ZA	PUSH SWITCH DISC/SKIP	
	S703	QSQ1001-E01ZA	PUSH SWITCH ▶/II	
	S704	QSQ1001-E01ZA	PUSH SWITCH ■	
	S705	QSQ1001-E01ZA	PUSH SWITCH ⏮	
	S706	QSQ1001-E01ZA	PUSH SWITCH ⏭	
	S707	QSQ1001-E01ZA	PUSH SWITCH EXCHANGE	
	S721	QSQ1001-E01ZA	PUSH SWITCH DISC 2	
	S722	QSQ1001-E01ZA	PUSH SWITCH MEMORY	
	S723	QSQ1001-E01ZA	PUSH SWITCH POWER	
	S724	QSQ1001-E01ZA	PUSH SWITCH DISC 3	
	S725	QSQ1001-E01ZA	PUSH SWITCH DISC 1	
	S726	QSQ1001-E01ZA	PUSH SWITCH RANDOM	
	S727	QSQ1001-E01ZA	PUSH SWITCH CALL	
	S728	QSQ1001-E01ZA	PUSH SWITCH DISC 5	
	S729	QSQ1001-E01ZA	PUSH SWITCH DISC 4	
	S730	QSQ1001-E01ZA	PUSH SWITCH REPEAT	
	S731	QSQ1001-E01ZA	PUSH SWITCH PLAY MODE	
	FL	ELU0001-179	FLUORESCENT	

⚠ : SAFETY PARTS

Accessories

Symbol No. M 3 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	E30580-2147A	INSTRUCTION BOOK	1		C
		E30580-2146A	INSTRUCTION BOOK	1		J
⚠	2	QMP1E00-183	POWER CORD	1		
	3	EWP302-011	SIGNAL CORD	1		
	4	EWP805-001	SIGNAL CORD	1		
	5	E300196-010B	ENVELOPE	1		
	6	BT-51001-1	WARRANTY CARD	1		J
	7	BT-51006-1	REGISTER CARD	1		J
	8	BT-20044G	SAFETY SHEET	1		J
	9	BT-20025L	WARRANTY CARD	1		C
	10	BT-20071B	SERVICE NETWORK	1		C

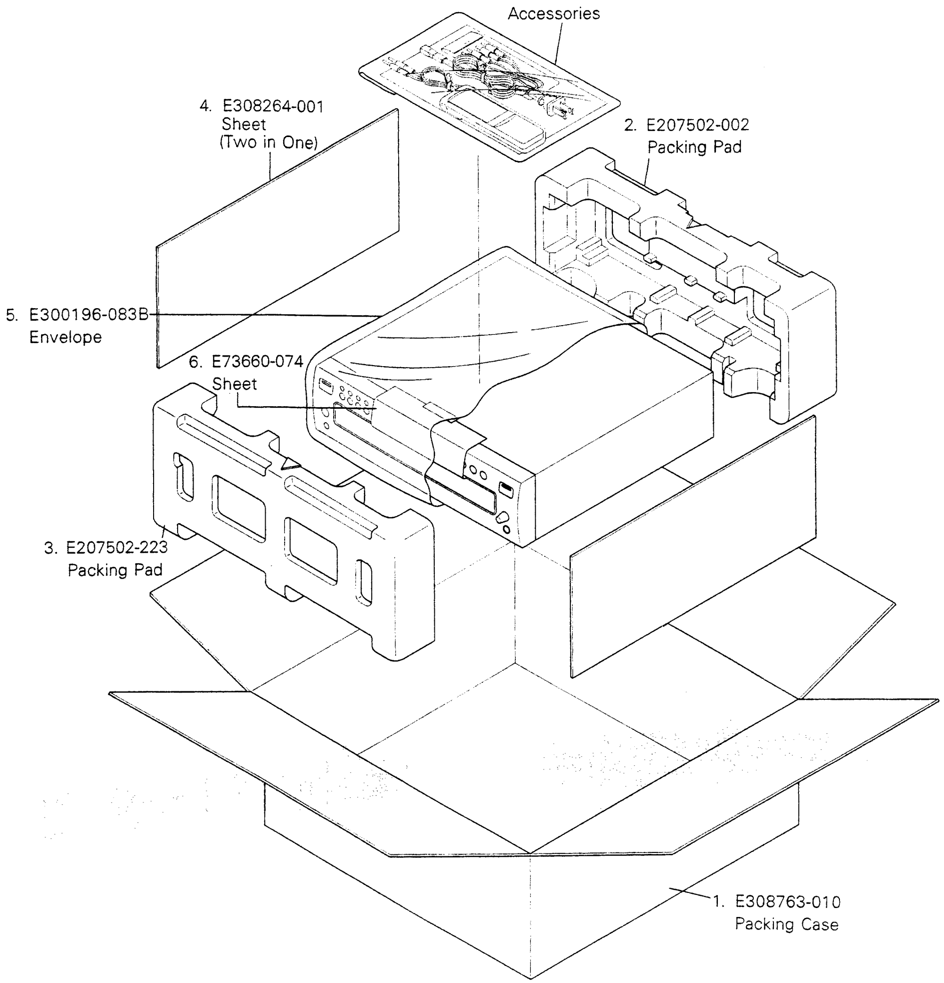
⚠ : Safety Parts

The Marks for Designated Areas

J ..... the U.S.A. C ..... Canada No mark indicates all area.

Packing Materials and Parts Numbers

Symbol No. M 4 M M


Accessories
4. E308264-001
Sheet
(Two in One)
2. E207502-002
Packing Pad
5. E300196-083B
Envelope
6. E73660-074
Sheet
3. E207502-223
Packing Pad
1. E308763-010
Packing Case

Designated Areas		
J .. the U.S.A.	C .. Canada	No mark indicates all areas.

XL-F116BK

< Parts List >

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■ Parts List

Symbol No. M 5 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	EFP-XLF116BKE(S	FRONT PANEL ASSY	1		
	1-1	E102893-004ST	FRONT PANEL	1		
	1-2	E308113-012SS	WINDOW SCREEN	1		
	1-3	VJD5429-001	JVC MARK	1		
	2	SDSG3006Z	TAPPING SCREW	10		
		SDSG3006Z	TAPPING SCREW	3		BS
		SDSG3006Z	TAPPING SCREW	3		EF
		SDSG3006Z	TAPPING SCREW	3		EN
		SDSG3006Z	TAPPING SCREW	3		G
	3	E408395-001	PROTECTOR COVER	1		
	4	E309097-004	VOLUME KNOB	1		
	5	E309048-001	HEADPHONE BRACKET	1		
	6	SDSF2608Z	SCREW	9		
	7	E208219-002	PUSH BUTTON	1	POWER	
	8	E208221-002	PUSH BUTTON	1	PLAY/PAUSE	
	9	VWF1232-25TTB	FLAT CORD	1		
	10	E207495-001SS	CD MECHA FLAME	1		
	11	E406709-001	CAUTION LABEL	1		
	12	E102883-001	MECHA BASE	1		
	13	E306835-001	CD CLAMPER	1		
	14	E74897-002	MAGNET	1		
	15	E306836-003	YOKE PLATE	1		
	16	SBSF3008Z	TAPPING SCREW	6		
		SBSF3008Z	TAPPING SCREW	7		BS
		SBSF3008Z	TAPPING SCREW	7		EF
		SBSF3008Z	TAPPING SCREW	7		EN
		SBSF3008Z	TAPPING SCREW	7		G
	17	E308181-221SS	FFC HOLDER	1		
	18	E65923-003	TAPPING SCREW	5		
	19	E408293-002	SPRING	1		
	20	E308111-002SS	STAY BRACKET	2		
⚠	21	ETP1000-77EAJBS	POWER TRANSFORMER	1		BS
⚠		ETP1000-77EAJ	POWER TRANSFORMER	1		EF
⚠		ETP1000-77EAJ	POWER TRANSFORMER	1		EN
⚠		ETP1000-77EAJ	POWER TRANSFORMER	1		G
	22	SBSF4008Z	TAPPING SCREW	2		
	23	E73273-006	SPECIAL SCREW	5		
		E73273-006	SPECIAL SCREW	2	REAR & BASE	BS
		E73273-006	SPECIAL SCREW	2	REAR & BASE	EF
		E73273-006	SPECIAL SCREW	2	REAR & BASE	EN
		E73273-006	SPECIAL SCREW	2	REAR & BASE	G
	24	E102595-003SSF	CHASSIS BASE	1		
	25	E406379-008SS	FOOT	4		
	26	SBST3008Z	TAPPING SCREW	4		
	27	E309020-001	SWITCH LEVER	1		
	28	E309019-001	GEAR BASE	1		
	29	E408203-001	CAM GEAR	1		
	30	E408202-001	CAM GEAR	1		
	31	E75985-001	DRIVE GEAR	1		
	32	E60912-001	SPEED NUT	1		
	33	E75950-002	REEL BELT	1		
	34	E102885-002	DISK TABLE	1		
	35	E102884-002	CD TRAY	1		
	36	E408199-001	WORM PULLEY	1		
	37	E408201-001	SHAFT GUIDE	2		
	38	FF-130SH-11340	DC MOTOR	1		
	39	E73060-001SS	JES CD M.PULLEY	1		
	40	SDSF3008M	WOOD SCREW	3		
	41	E309030-001	MOTOR BRACKET	1		
	42	SPSK2025Z	SCREW	2		
	43	E408200-001	WORM WHEEL	1		
	44	WDL360850	WASHER	1		
	45	E408197-001	PULLEY SHAFT	1		
	46	E306805-138	SPACER	1		
	47	VWF1007-25PPA	FFC CABLE	1		
	48	E407140-001SS	CD ROLLER	10		
	49	E407149-001SS	RUBBER TUBE	10		
	50	----------------	CD MECHANISM ASSY	1	SEE PAGE 3-7	
	51	E407154-001	SPRING	2		
	52	E407154-002	SPRING	2		
	53	E407153-001	INSULATOR	4		
	54	E407146-001	SPECIAL SCREW	4	INSULATOR	
	55	EWS266-B409	SOCKET WIRE ASSY	1	6PIN	
	56	EWPZ02-001	FFC CABLE	1	15PIN	
	57	RF-500TB-12560	DC MOTOR	1		
	58	E75984-221	MOTOR PULLEY	1		
	59	E207496-004	METAL COVER	1		
	60	E406308-001	SPECIAL SCREW	4	METAL(SIDE)	
	61	E208223-017SSF	REAR PANEL	1		
	-	E308453-038	RATING LABEL	1		EF
	-	E308453-038	RATING LABEL	1		EN
	-	E308453-039F	RATING LABEL	1		G
	62	E208211-001	CD CAM	1		
	63	E208210-001	ELEVATOR BASE	1		
	64	E75950-003	DRIVE BELT	1		
	65	VKZ4150-001	NUT	1		
	-	E61029-005	NUMBER LABEL	1		
	-	E70891-001	CLASS 1 LABEL	1		Except EN
	-	QZL1007-001	BEAB LABEL	1		BS
	-	E70028-001	APPROVAL LABEL	1		EN
	-	E70419-003F	MARK LABEL	1		G
	-	QZL1031-101	LABEL	1		EF

⚠ : Safety Parts

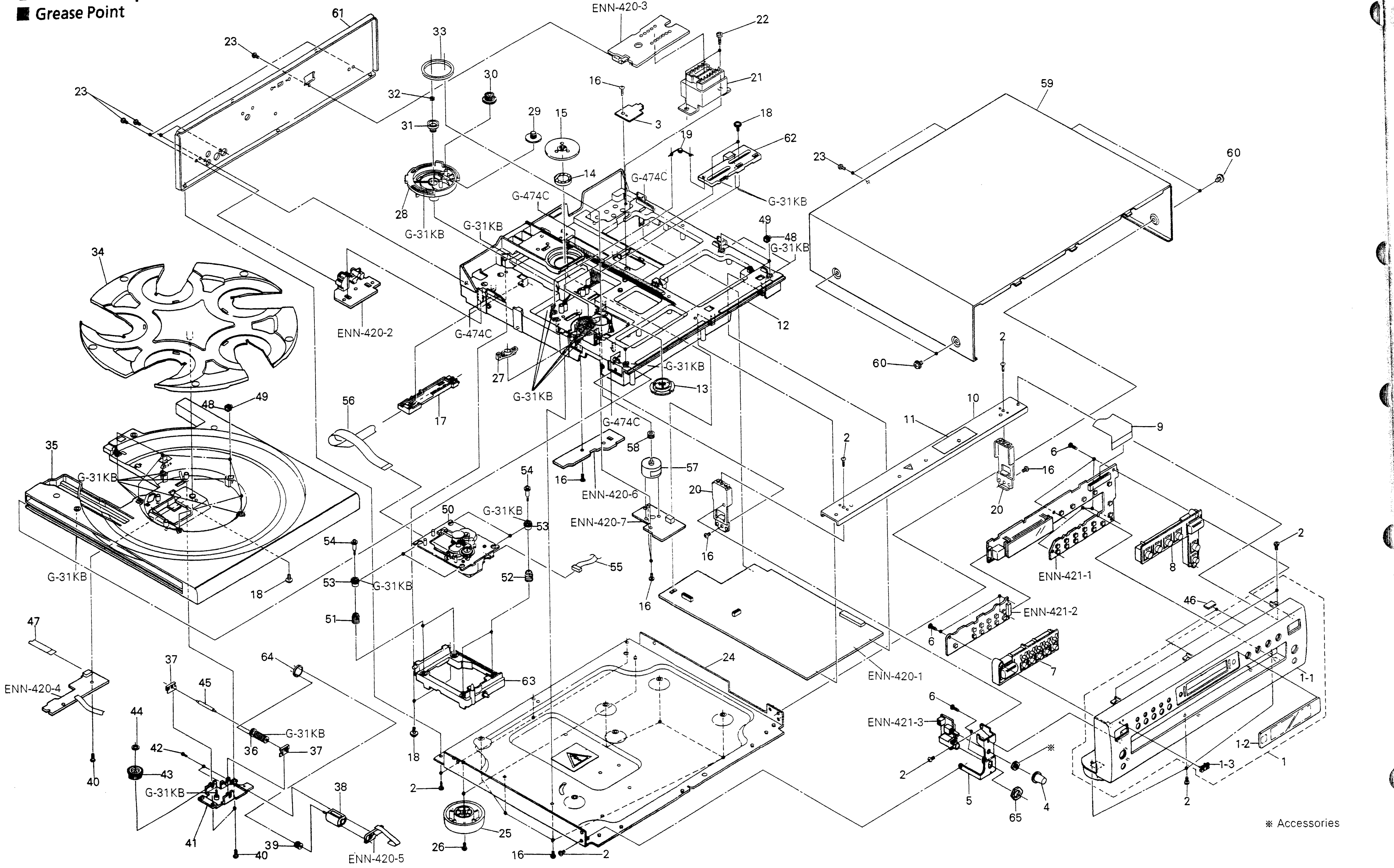
The Marks for Designated Areas

BS	the U.K.	EF	Continental Europe	EN	Scandinavia
G	Germany	No mark indicates all area.			

General Exploded View and Parts List

Symbol No. | M | 5 | M | M |

■ Grease Point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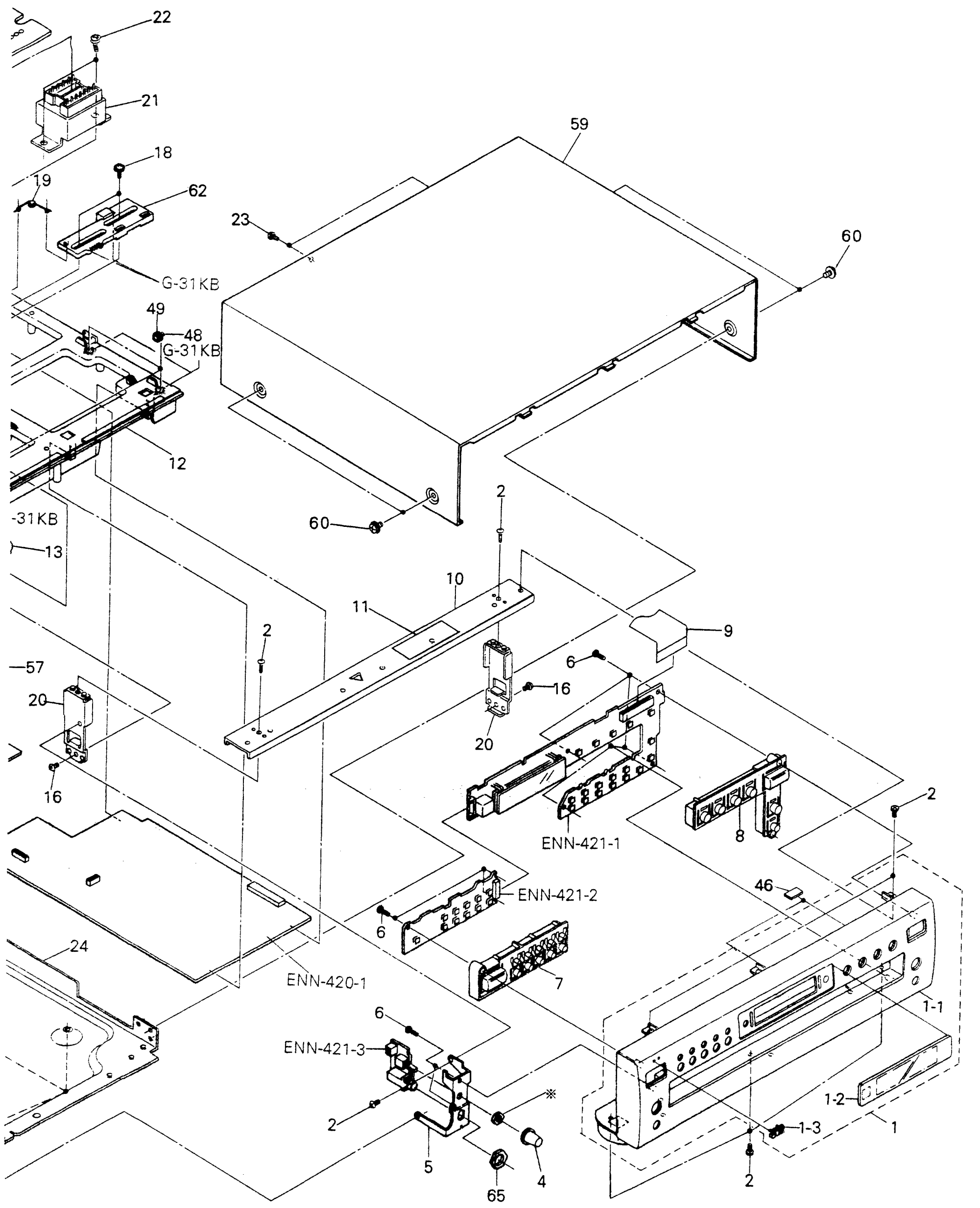
※ Accessories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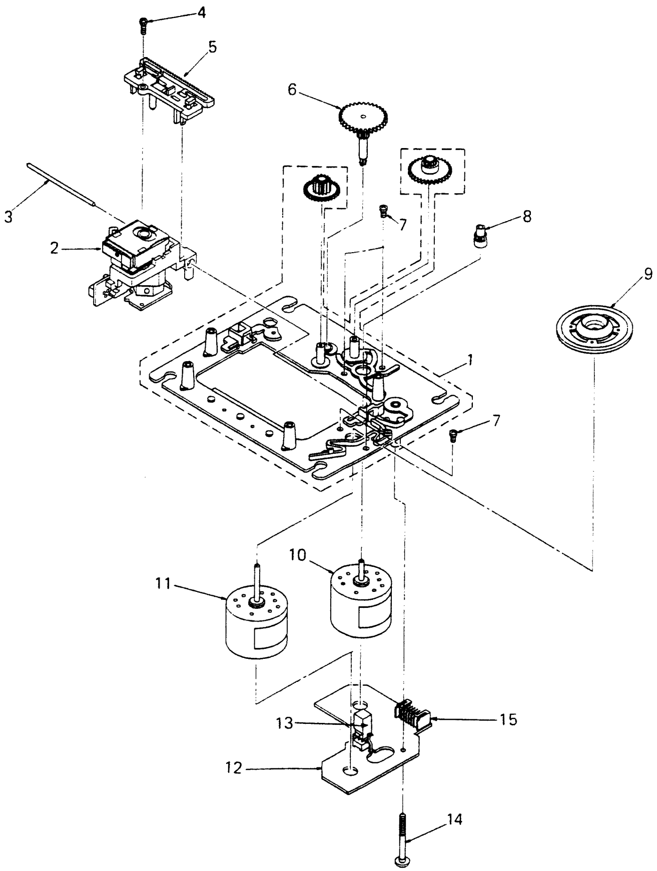
※ Accessories

CD Mechanism Ass'y and Parts List

Symbol No. | M | 6 | M | M |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■ Parts List (CD Mechanism Ass'y)

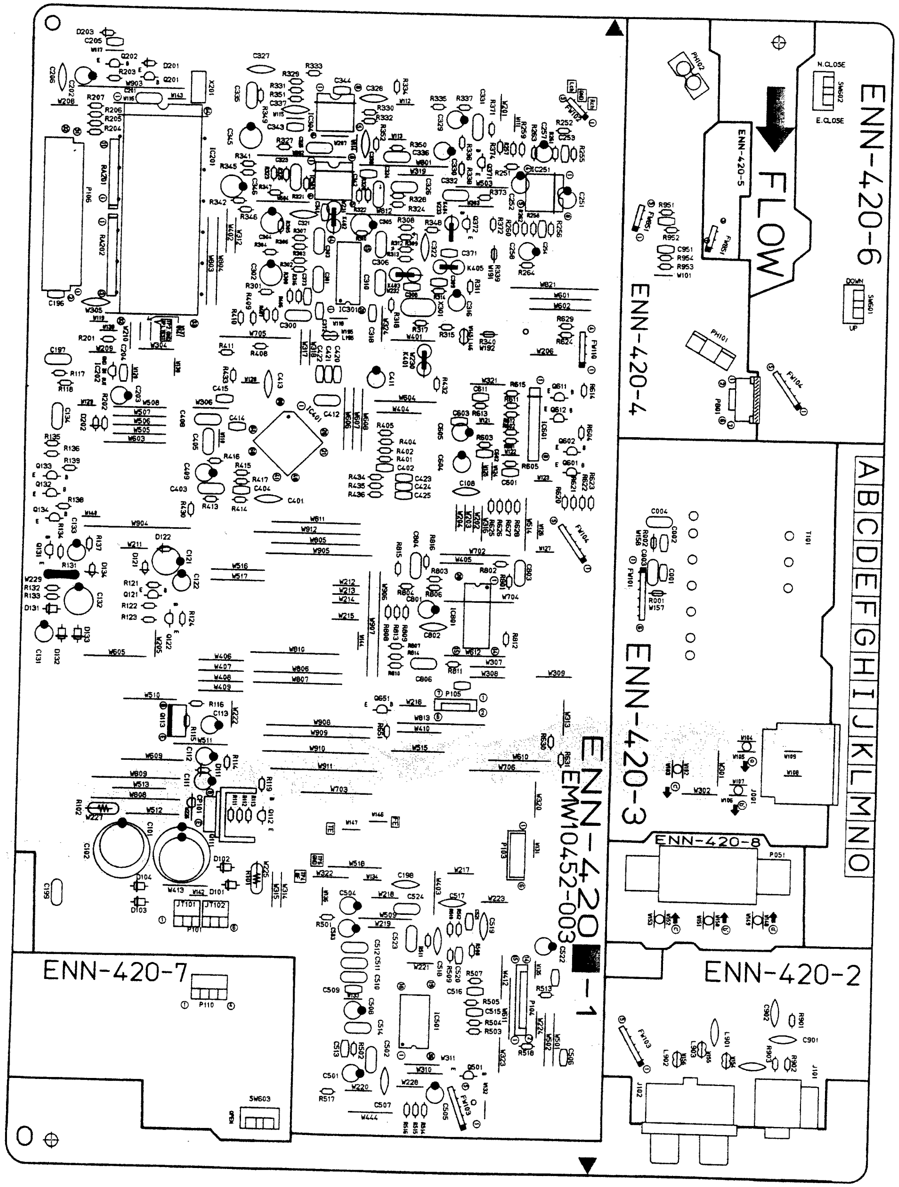
Symbol No. | M | 6 | M | M |

Item	Part Number	Part Name	Q'ty	Description	Areas
1	EPB-002A	Base Ass'y	1		
2	OPTIMA-6S	Pick up	1		
3	E406777-001	Shaft	1		
4	SDSF2006Z	Screw	1		
5	E307746-001	Rack	1		
6	EPB-003A	Gear 3	1		
7	SDSP2003N	Screw	4		
8	E406750-001	Pinion Gear	1		
9	E75807-301	Turn Table Ass'y	1		
10	E406784-001	Feed Motor	1		
11	E406783-001	Spindle Motor	1		
12	EMW10190-001 (S)	Circuit Board	1		
13	ESB1100-005	Leaf Switch	1		
14	E75832-001	Special Screw	1		
15	EMV5109-006B	6P Plug Ass'y	1		

Printed Circuit Board Ass'y and Parts List

■ ENN-420☐ Main PC Board Assy

Note : ENN-420☐ varies according to the areas employed. See note (1) when placing an order.



Note (1)

PC Board Ass'y	Version	Designated Areas
ENN-420 I	EF EN	Continental Europe Scandinavia
ENN-420 J	G	Germany
ENN-420 K BS	BS	the U.K.

Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q111	2SB1565(E,F)	SI.TRANSIST ROHM	
	Q112	2SD1302	SI.TRANSIST MATSUSHITA	
	Q113	2SB1357(E,F)	SI.TRANSIST ROHM	
	Q121	2SA933S(RS)	SI.TRANSIST	
	Q122	DTC114YS	DIGITAL TRA ROHM	
	Q131	2SA933S(RS)	SI.TRANSIST	
	Q132	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q133	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q134	DTA114YS	DIGITAL TRA ROHM	
	Q201	DTA114YS	DIGITAL TRA ROHM	
	Q202	DTC144ES	DIGITAL TRA ROHM	
	Q371	2SD1302	SI.TRANSIST MATSUSHITA	
	Q372	2SD1302	SI.TRANSIST MATSUSHITA	
	Q501	2SA950(O,Y)	SI.TRANSIST TOSHIBA	
	Q601	2SC2060(Q,R)	SI.TRANSIST ROHM	
	Q602	2SA934(Q,R)	SI.TRANSIST ROHM	
	Q611	2SC2060(Q,R)	SI.TRANSIST ROHM	
	Q612	2SA934(Q,R)	SI.TRANSIST ROHM	
	Q651	2SC1740S(R,S)	SI.TRANSIST ROHM	

⚠ : SAFETY PARTS

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	BS
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	EF
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	EN
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	G
	IC202	MN1281(P,Q)	I.C(DIGI-MO MATSUSHITA	
	IC251	VC4580D	I.C(MONO-AN	BS
	IC251	VC4580D	I.C(MONO-AN	EF
	IC251	VC4580D	I.C(MONO-AN	EN
	IC251	VC4580D	I.C(MONO-AN	G
	IC301	MN35502	I.C(DIGI-MO MATSUSHITA	
	IC304	VC4580D	I.C(MONO-AN	BS
	IC304	VC4580D	I.C(MONO-AN	EF
	IC304	VC4580D	I.C(MONO-AN	EN
	IC304	VC4580D	I.C(MONO-AN	G
	IC401	MN662720RB	I.C(DIGI-MO MATSUSHITA	
	IC501	AN8803SB	I.C(MONO-AN MATSUSHITA	
	IC601	VC4580L	I.C(MONO-AN DAINICHI	
	IC801	BA6393FP	I.C(MONO-AN ROHM	

⚠ : SAFETY PARTS

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D101	1SR35-200A	SI.DIODE ROHM	
	D102	1SR35-200A	SI.DIODE ROHM	
	D103	1SR35-200A	SI.DIODE ROHM	
	D104	1SR35-200A	SI.DIODE ROHM	
	D111	MTZ5.6JA	ZENER DIODE ROHM	
	D121	1SS133	SI.DIODE ROHM	
	D122	1SS133	SI.DIODE ROHM	
	D131	1SR35-200A	SI.DIODE ROHM	
	D132	1SR35-200A	SI.DIODE ROHM	
	D133	1SR35-200A	SI.DIODE ROHM	
	D134	MTZ30JC	ZENER DIODE ROHM	
	D201	1SS133	SI.DIODE ROHM	
	D202	1SS133	SI.DIODE ROHM	
	D203	1SS133	SI.DIODE ROHM	BS
	D203	1SS133	SI.DIODE ROHM	EF
	D203	1SS133	SI.DIODE ROHM	EN
	D203	1SS133	SI.DIODE ROHM	G

⚠ : SAFETY PARTS

Capacitors

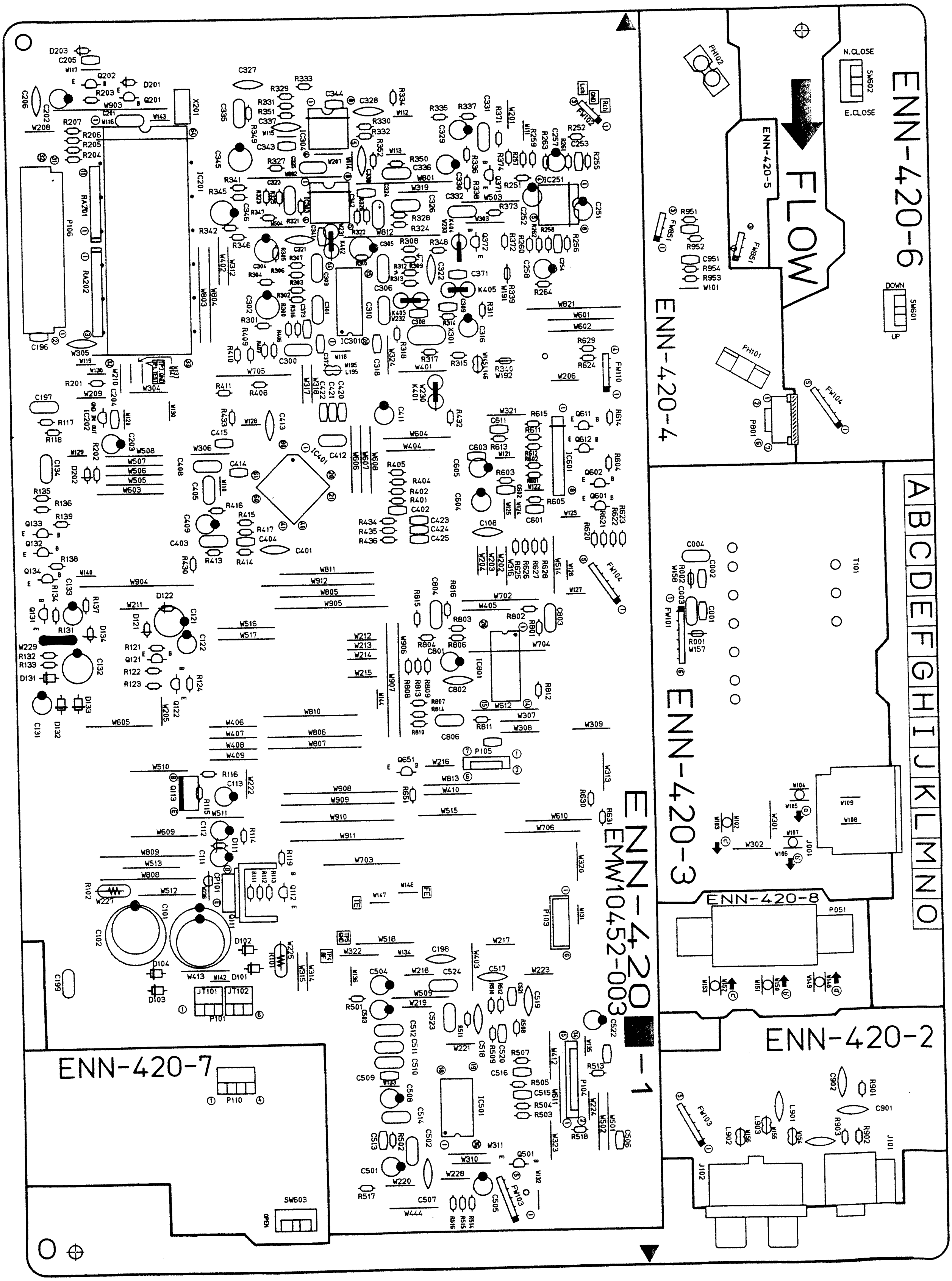
⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C001	QCHB1EZ-223	0.022MF 25V CER.CAPACI	BS
	C001	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EF
	C001	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EN
	C002	QCHB1EZ-223	0.022MF 25V CER.CAPACI	BS
	C002	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EF
	C002	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EN
	C003	QFV81HJ-104	0.1MF 50V THIN FILM	G
	C004	QFV81HJ-104	0.1MF 50V THIN FILM	G
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	BS
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	EF
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	EN
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	G
	C102	QETB1CM-108N	1000MF 16V E.CAPACITO	
	C108	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C111	QETB1HM-225	2.2MF 50V AL E.CAPAC	
	C112	QETB1AM-476	47MF 10V E.CAPACITO	
	C113	QETB1AM-476	47MF 10V E.CAPACITO	
	C121	QETB1CM-227	220MF 16V AL E.CAPAC	
	C122	QETB1CM-226	22MF 16V E.CAPACITO	
	C131	QETB1EM-476	47MF 25V AL E.CAPAC	
	C132	QETB1HM-476	47MF 50V E.CAPACITO	
	C133	QETB1HM-106	10MF 50V E.CAPACITO	
	C134	QFV81HJ-104	0.1MF 50V THIN FILM	
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	BS
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	EF
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	EN
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	G
	C198	QCS31HJ-101Z	100PF 50V CER.CAPACI	G
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	BS
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	EF
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	EN
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	G
	C201	QFV81HJ-224	0.22MF 50V THIN FILM	
	C202	QETB1AM-476	47MF 10V E.CAPACITO	
	C203	QETB1EM-106	10MF 25V AL E.CAPAC	
	C204	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C205	QCBB1HK-331Y	330PF 50V CER.CAPACI	
	C251	QETB1EM-476	47MF 25V AL E.CAPAC	
	C252	QETB1EM-476	47MF 25V AL E.CAPAC	
	C253	QCBB1HK-181Y	180PF 50V CER.CAPACI	
	C254	QCBB1HK-181Y	180PF 50V CER.CAPACI	
	C257	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C258	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C300	QCZ0202-155	1.5MF 25V CER.RESIST	
	C301	QCZ0202-155	1.5MF 25V CER.RESIST	
	C302	QETB1AM-227	220MF 10V E.CAPACITO	
	C303	QCZ0202-155	1.5MF 25V CER.RESIST	
	C304	QET50JM-227	220MF 6.3V E.CAPACITO	
	C305	QET60JM-227	220MF 6.3V E.CAPACITO	
	C306	QCZ0202-155	1.5MF 25V CER.RESIST	
	C308	QCT30CH-120Y	12PF 50V CER.CAPACI	
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	BS
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	EF
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	EN
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	G
	C310	QCZ0202-155	1.5MF 25V CER.RESIST	
	C316	QETB1AM-476	47MF 10V E.CAPACITO	
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	BS
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	EF
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	EN
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	G
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	BS
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	EF
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	EN
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	G
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	BS
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EF
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EN
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	G
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	BS
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EF
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EN
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	G
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	BS
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	EF
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	EN
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	G
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	BS
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	EF
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	EN
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	G
	C329	QETB1EM-476	47MF 25V AL E.CAPAC	
	C330	QETB1EM-476	47MF 25V AL E.CAPAC	
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	BS
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	EF
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	EN
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	G
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	BS
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	EF
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	EN

⚠ : SAFETY PARTS

Printed Circuit Board Ass'y and Parts List

■ ENN-420□ Main PC Board Assy

Note : ENN-420□ varies according to the areas employed. See note (1) when placing an order.


ENN-420-6
N.CLOSE
E.CLOSE
SW602
DOWN
UP
SW601
ENN-420-5
FLOW
ENN-420-4
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ENN-420-3
ENN-420-8
ENN-420-2
ENN-420■-1
EMW10452-003
ENN-420-7
P110
SW603
OPEN
IC201
IC301
IC401
IC501
IC601
IC801
IC251
X201
X301
T101
J001
J101
J102
P051
P101
P103
P104
P105
P106
P801
RA201
RA202

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	G
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	BS
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EF
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EN
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	G
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	BS
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EF
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EN
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	G
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	BS
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	EF
	C337	QCS31HJ-101Z	100PF 50V CEP.CAPACI	EN
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	G
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	BS
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	EF
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	EN
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	G
	C343	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C344	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C345	QETB1EM-476	47MF 25V AL E.CAPAC	
	C346	QETB1EM-476	47MF 25V AL E.CAPAC	
	C371	QCSB1HJ-330Y	33PF 50V CER.CAPACI	G
	C372	QCSB1HJ-100Y	10PF 50V CER.CAPACI	BS
	C372	QCSB1HJ-100Y	10PF 50V CER.CAPACI	EF
	C372	QCSB1HJ-100Y	10PF 50V CER.CAPACI	EN
	C372	QCSB1HJ-100Y	10PF 50V CER.CAPACI	G
	C373	QCSB1HJ-150YM	15PF 50V CERAMIC	G
	C401	QCS31HJ-471Z	470PF 50V CER.CAPACI	
	C402	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C403	QFN81HJ-223	0.022MF 50V METAL.MYLA	
	C404	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C405	QFV71HJ-334ZM	0.33MF 50V THIN FILM	
	C408	QFV81HJ-104	0.1MF 50V THIN FILM	
	C409	QETB1AM-476	47MF 10V E.CAPACITO	
	C411	QETB1AM-476	47MF 10V E.CAPACITO	
	C412	QFV81HJ-104	0.1MF 50V THIN FILM	
	C413	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C414	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C415	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C501	QETB1AM-107	100MF 10V AL E.CAPAC	
	C502	QFV81HJ-104	0.1MF 50V THIN FILM	
	C503	QETB1AM-476	47MF 10V E.CAPACITO	
	C504	QETB1AM-107	100MF 10V AL E.CAPAC	
	C505	QER51EM-106	10MF 25V E.CAPACITO	BS
	C505	QER51EM-106	10MF 25V E.CAPACITO	EF
	C505	QER51EM-106	10MF 25V E.CAPACITO	EN
	C505	QER51EM-106	10MF 25V E.CAPACITO	G
	C506	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C507	QCS31HJ-680Z	68PF 50V CER.CAPACI	
	C508	QETB1HM-105	1MF 50V AL E.CAPAC	
	C509	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C510	QFV81HJ-273	0.027MF 50V THIN FILM	
	C511	QFN81HJ-472	4700PF 50V MYLAR CAPA	
	C512	QFN81HJ-332	3300PF 50V METAL.MYLA	
	C513	QCT30CH-3R3Y	3.3PF 50V CER.CAPACI	
	C514	QFV81HJ-104	0.1MF 50V THIN FILM	
	C515	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C516	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C517	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C518	QCF21HP-222	2200PF 50V CER.CAPACI	
	C519	QCS31HJ-271Z	270PF 50V CER.CAPACI	
	C520	QCSB1HJ-680	68PF 50V CER.CAPACI	
	C521	QCGB1HK-821	820PF 50V CER.CAPACI	
	C522	QETB1AM-476	47MF 10V E.CAPACITO	
	C523	QFV81HJ-104	0.1MF 50V THIN FILM	
	C524	QFV81HJ-104	0.1MF 50V THIN FILM	
	C601	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C602	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C603	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C604	QETB1CM-476	47MF 16V AL E.CAPAC	
	C605	QETB1CM-476	47MF 16V AL E.CAPAC	
	C611	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C801	QEK51CM-107	100MF 16V E.CAPACITO	
	C802	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C803	QFN81HJ-273	0.027MF 50V METAL.MYLA	
	C804	QFN81HJ-183	0.018MF 50V METAL.MYLA	
	C806	QFV81HJ-273	0.027MF 50V THIN FILM	
	C901	QCS31HJ-101Z	100PF 50V CER.CAPACI	
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	BS
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EF
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EN
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	G

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
⚠	R101	PTH61G30BD2R2N	FUSIBLE RE	BS
⚠	R101	PTH61G30BD2R2N	FUSIBLE RE	EF
⚠	R101	PTH61G30BD2R2N	FUSIBLE RE	EN
⚠	R101	PTH61G30BD2R2N	FUSIBLE RE	G
⚠	R102	PTH61G30BD2R2N	FUSIBLE RE	BS
⚠	R102	PTH61G30BD2R2N	FUSIBLE RE	EF
⚠	R102	PTH61G30BD2R2N	FUSIBLE RE	EN
⚠	R102	PTH61G30BD2R2N	FUSIBLE RE	G
	R111	QRD161J-222	2.2K 1/6W CARBON RES	
	R112	QRD161J-221	220 1/6W CARBON RES	
	R113	QRD161J-221	220 1/6W CARBON RES	
	R114	QRD161J-202	2K 1/6W CARBON RES	BS
	R114	QRD161J-202	2K 1/6W CARBON RES	EF
	R114	QRD161J-202	2K 1/6W CARBON RES	EN
	R114	QRD161J-202	2K 1/6W CARBON RES	G
	R115	QRD167J-102	1K 1/6W CARBON RES	
	R116	QRD161J-821	820 1/6W CARBON RES	
	R117	QRD167J-1R5	1.5 1/6W CARBON RES	
	R118	QRD167J-1R5	1.5 1/6W CARBON RES	
	R119	QRD161J-202	2K 1/6W CARBON RES	BS
	R119	QRD161J-202	2K 1/6W CARBON RES	EF
	R119	QRD161J-202	2K 1/6W CARBON RES	EN
	R119	QRD161J-202	2K 1/6W CARBON RES	G
	R121	QRD161J-331	330 1/6W CARBON RES	
	R122	QRD167J-822	8.2K 1/6W CARBON RES	
	R123	QRD161J-683	68K 1/6W CARBON RES	
	R124	QRD161J-221	220 1/6W CARBON RES	
⚠	R131	QRZ0077-560	56 1/4W FUSIBLE RE	BS
⚠	R131	QRZ0077-560	56 1/4W FUSIBLE RE	EF
⚠	R131	QRZ0077-560	56 1/4W FUSIBLE RE	EN
⚠	R131	QRZ0077-560	56 1/4W FUSIBLE RE	G
	R132	QRD161J-362	3.6K 1/6W CARBON RES	
	R133	QRD161J-362	3.6K 1/6W CARBON RES	
	R134	QRD167J-121	120 1/6W CARBON RES	
	R135	QRD161J-911	910 1/6W CARBON RES	
	R136	QRD161J-911	910 1/6W CARBON RES	
	R137	QRD161J-103	10K 1/6W CARBON RES	
	R138	QRD161J-103	10K 1/6W CARBON RES	
	R139	QRD161J-103	10K 1/6W CARBON RES	
	R201	QRD161J-103	10K 1/6W CARBON RES	
	R202	QRD167J-102	1K 1/6W CARBON RES	
	R203	QRD161J-472	4.7K 1/6W CARBON RES	
	R204	QRD161J-103	10K 1/6W CARBON RES	
	R205	QRD161J-103	10K 1/6W CARBON RES	
	R206	QRD161J-103	10K 1/6W CARBON RES	
	R207	QRD161J-103	10K 1/6W CARBON RES	
	R251	QRD161J-221	220 1/6W CARBON RES	
	R252	QRD161J-221	220 1/6W CARBON RES	
	R255	QRD167J-153	15K 1/6W CARBON RES	
	R256	QRD167J-153	15K 1/6W CARBON RES	
	R257	QRD161J-273	27K 1/6W CARBON RES	
	R258	QRD161J-273	27K 1/6W CARBON RES	
	R259	QRD161J-473	47K 1/6W CARBON RES	
	R260	QRD161J-473	47K 1/6W CARBON RES	
	R261	QRD161J-103	10K 1/6W CARBON RES	
	R262	QRD161J-103	10K 1/6W CARBON RES	
	R263	QRD161J-561	560 1/6W CARBON RES	
	R264	QRD161J-561	560 1/6W CARBON RES	
	R300	QRD167J-680	68 1/6W CARBON RES	BS
	R300	QRD167J-680	68 1/6W CARBON RES	EF
	R300	QRD167J-680	68 1/6W CARBON RES	EN
	R300	QRD167J-680	68 1/6W CARBON RES	G
	R301	QRD167J-680	68 1/6W CARBON RES	BS
	R301	QRD167J-680	68 1/6W CARBON RES	EF
	R301	QRD167J-680	68 1/6W CARBON RES	EN
	R301	QRD167J-680	68 1/6W CARBON RES	G
	R302	QRD161J-363	36K 1/6W CARBON RES	BS
	R302	QRD161J-363	36K 1/6W CARBON RES	EF
	R302	QRD161J-363	36K 1/6W CARBON RES	EN
	R302	QRD161J-363	36K 1/6W CARBON RES	G
	R303	QRD161J-363	36K 1/6W CARBON RES	BS
	R303	QRD161J-363	36K 1/6W CARBON RES	EF
	R303	QRD161J-363	36K 1/6W CARBON RES	EN
	R303	QRD161J-363	36K 1/6W CARBON RES	G
	R304	QRD161J-271	270 1/6W CARBON RES	BS
	R304	QRD161J-271	270 1/6W CARBON RES	EF
	R304	QRD161J-271	270 1/6W CARBON RES	EN
	R304	QRD161J-271	270 1/6W CARBON RES	G
	R305	QRD161J-182	1.8K 1/6W CARBON RES	
	R306	QRD161J-363	36K 1/6W CARBON RES	BS
	R306	QRD161J-363	36K 1/6W CARBON RES	EF
	R306	QRD161J-363	36K 1/6W CARBON RES	EN
	R306	QRD161J-363	36K 1/6W CARBON RES	G
	R307	QRD161J-363	36K 1/6W CARBON RES	BS
	R307	QRD161J-363	36K 1/6W CARBON RES	EF
	R307	QRD161J-363	36K 1/6W CARBON RES	EN
	R307	QRD161J-363	36K 1/6W CARBON RES	G
	R308	QRD161J-363	36K 1/6W CARBON RES	BS
	R308	QRD161J-363	36K 1/6W CARBON RES	EF
	R308	QRD161J-363	36K 1/6W CARBON RES	EN
	R308	QRD161J-363	36K 1/6W CARBON RES	G
	R309	QRD161J-363	36K 1/6W CARBON RES	BS
	R309	QRD161J-363	36K 1/6W CARBON RES	EF
	R309	QRD161J-363	36K 1/6W CARBON RES	EN
	R309	QRD161J-363	36K 1/6W CARBON RES	G

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R310	QRD161J-182	1.8K 1/6W CARBON RES	
	R311	QRD161J-271	270 1/6W CARBON RES	BS
	R311	QRD161J-271	270 1/6W CARBON RES	EF
	R311	QRD161J-271	270 1/6W CARBON RES	EN
	R311	QRD161J-271	270 1/6W CARBON RES	G
	R312	QRD161J-363	36K 1/6W CARBON RES	BS
	R312	QRD161J-363	36K 1/6W CARBON RES	EF
	R312	QRD161J-363	36K 1/6W CARBON RES	EN
	R312	QRD161J-363	36K 1/6W CARBON RES	G
	R313	QRD161J-363	36K 1/6W CARBON RES	BS
	R313	QRD161J-363	36K 1/6W CARBON RES	EF
	R313	QRD161J-363	36K 1/6W CARBON RES	EN
	R313	QRD161J-363	36K 1/6W CARBON RES	G
	R314	QRD161J-271	270 1/6W CARBON RES	
	R315	QRD161J-271	270 1/6W CARBON RES	BS
	R315	QRD161J-271	270 1/6W CARBON RES	EF
	R315	QRD161J-271	270 1/6W CARBON RES	EN
	R315	QRD161J-271	270 1/6W CARBON RES	G
	R316	QRD161J-271	270 1/6W CARBON RES	
	R317	QRD167J-155	1.5M 1/6W CARBON RES	
	R318	QRD167J-102	1K 1/6W CARBON RES	
	R323	QRD167J-153	15K 1/6W CARBON RES	BS
	R323	QRD167J-153	15K 1/6W CARBON RES	EF
	R323	QRD167J-153	15K 1/6W CARBON RES	EN
	R323	QRD167J-153	15K 1/6W CARBON RES	G
	R324	QRD167J-153	15K 1/6W CARBON RES	BS
	R324	QRD167J-153	15K 1/6W CARBON RES	EF
	R324	QRD167J-153	15K 1/6W CARBON RES	EN
	R324	QRD167J-153	15K 1/6W CARBON RES	G
	R329	QRD161J-333	33K 1/6W CARBON RES	BS
	R329	QRD161J-333	33K 1/6W CARBON RES	EF
	R329	QRD161J-333	33K 1/6W CARBON RES	EN
	R329	QRD161J-333	33K 1/6W CARBON RES	G
	R330	QRD161J-333	33K 1/6W CARBON RES	BS
	R330	QRD161J-333	33K 1/6W CARBON RES	EF
	R330	QRD161J-333	33K 1/6W CARBON RES	EN
	R330	QRD161J-333	33K 1/6W CARBON RES	G
	R331	QRD161J-362	3.6K 1/6W CARBON RES	BS
	R331	QRD161J-362	3.6K 1/6W CARBON RES	EF
	R331	QRD161J-362	3.6K 1/6W CARBON RES	EN
	R331	QRD161J-362	3.6K 1/6W CARBON RES	G
	R332	QRD161J-362	3.6K 1/6W CARBON RES	BS
	R332	QRD161J-362	3.6K 1/6W CARBON RES	EF
	R332	QRD161J-362	3.6K 1/6W CARBON RES	EN
	R332	QRD161J-362	3.6K 1/6W CARBON RES	G
	R333	QRD161J-183	18K 1/6W CARBON RES	
	R334	QRD161J-183	18K 1/6W CARBON RES	
	R335	QRD161J-273	27K 1/6W CARBON RES	
	R336	QRD161J-273	27K 1/6W CARBON RES	
	R337	QRD167J-431	430 1/6W CARBON RES	
	R338	QRD167J-431	430 1/6W CARBON RES	
	R341	QRD161J-221	220 1/6W CARBON RES	
	R342	QRD161J-221	220 1/6W CARBON RES	
	R345	QRD161J-221	220 1/6W CARBON RES	
	R346	QRD161J-221	220 1/6W CARBON RES	
	R347	QRD167J-153	15K 1/6W CARBON RES	BS
	R347	QRD167J-153	15K 1/6W CARBON RES	EF
	R347	QRD167J-153	15K 1/6W CARBON RES	EN
	R347	QRD167J-153	15K 1/6W CARBON RES	G
	R348	QRD167J-153	15K 1/6W CARBON RES	BS
	R348	QRD167J-153	15K 1/6W CARBON RES	EF
	R348	QRD167J-153	15K 1/6W CARBON RES	EN
	R348	QRD167J-153	15K 1/6W CARBON RES	G
	R349	QRD161J-333	33K 1/6W CARBON RES	BS
	R349	QRD161J-333	33K 1/6W CARBON RES	EF
	R349	QRD161J-333	33K 1/6W CARBON RES	EN
	R349	QRD161J-333	33K 1/6W CARBON RES	G
	R350	QRD161J-333	33K 1/6W CARBON RES	BS
	R350	QRD161J-333	33K 1/6W CARBON RES	EF
	R350	QRD161J-333	33K 1/6W CARBON RES	EN
	R350	QRD161J-333	33K 1/6W CARBON RES	G
	R351	QRD161J-362	3.6K 1/6W CARBON RES	BS
	R351	QRD161J-362	3.6K 1/6W CARBON RES	EF
	R351	QRD161J-362	3.6K 1/6W CARBON RES	EN
	R351	QRD161J-362	3.6K 1/6W CARBON RES	G
	R352	QRD161J-362	3.6K 1/6W CARBON RES	BS
	R352	QRD161J-362	3.6K 1/6W CARBON RES	EF
	R352	QRD161J-362	3.6K 1/6W CARBON RES	EN
	R352	QRD161J-362	3.6K 1/6W CARBON RES	G
	R371	QRD161J-103	10K 1/6W CARBON RES	
	R372	QRD161J-103	10K 1/6W CARBON RES	
	R373	QRD161J-684	680K 1/6W CARBON RES	
	R374	QRD161J-473	47K 1/6W CARBON RES	
	R401	QRD167J-102	1K 1/6W CARBON RES	
	R402	QRD167J-102	1K 1/6W CARBON RES	
	R404	QRD167J-102	1K 1/6W CARBON RES	
	R405	QRD167J-102	1K 1/6W CARBON RES	
	R406	QRD167J-102	1K 1/6W CARBON RES	
	R407	QRD167J-102	1K 1/6W CARBON RES	
	R408	QRD167J-102	1K 1/6W CARBON RES	
	R409	QRD167J-102	1K 1/6W CARBON RES	
	R410	QRD167J-102	1K 1/6W CARBON RES	
	R411	QRD167J-102	1K 1/6W CARBON RES	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R413	QRD167J-155	1.5M 1/6W CARBON RES	
	R414	QRD161J-104	100K 1/6W CARBON RES	
	R415	QRD161J-104	100K 1/6W CARBON RES	
	R416	QRD161J-681	680 1/6W CARBON RES	
	R417	QRD161J-124	120K 1/6W CARBON RES	
	R430	QRD161J-2R2	2.2 1/6W CARBON RES	
	R432	QRD161J-2R2	2.2 1/6W CARBON RES	
	R433	QRD167J-102	1K 1/6W CARBON RES	
	R434	QRD167J-102	1K 1/6W CARBON RES	
	R435	QRD167J-102	1K 1/6W CARBON RES	
	R436	QRD167J-102	1K 1/6W CARBON RES	
	R501	QRD167J-471	470 1/6W CARBON RES	
	R502	QRD161J-123	12K 1/6W CARBON RES	
	R503	QRD161J-103	10K 1/6W CARBON RES	
	R504	QRD161J-103	10K 1/6W CARBON RES	
	R505	QRD167J-134	130K 1/6W CARBON RES	
	R507	QRD161J-913	91K 1/6W CARBON RES	
	R508	QRD161J-273	27K 1/6W CARBON RES	
	R509	QRD161J-683	68K 1/6W CARBON RES	
	R510	QRD167J-154	150K 1/6W CARBON RES	
	R511	QRD161J-394	390K 1/6W CARBON RES	
	R512	QRD161J-103	10K 1/6W CARBON RES	
	R513	QRD167J-121	120 1/6W CARBON RES	
	R514	QRD161J-470	47 1/6W CARBON RES	
	R515	QRD161J-470	47 1/6W CARBON RES	
	R516	QRD161J-470	47 1/6W CARBON RES	
	R517	QRD161J-2R2	2.2 1/6W CARBON RES	
	R518	QRD161J-910Y	91 1/6W CARBON RES	
	R601	QRD161J-203	20K 1/6W CARBON RES	
	R602	QRD161J-203	20K 1/6W CARBON RES	
	R603	QRD167J-153	15K 1/6W CARBON RES	
	R604	QRD167J-151	150 1/6W CARBON RES	
	R605	QRD167J-153	15K 1/6W CARBON RES	
	R611	QRD161J-183	18K 1/6W CARBON RES	
	R612	QRD161J-183	18K 1/6W CARBON RES	
	R613	QRD161J-243	24K 1/6W CARBON RES	
	R614	QRD167J-151	150 1/6W CARBON RES	
	R615	QRD161J-243	24K 1/6W CARBON RES	
	R620	QRD167J-151	150 1/6W CARBON RES	
	R621	QRD167J-151	150 1/6W CARBON RES	
	R622	QRD167J-151	150 1/6W CARBON RES	
	R623	QRD167J-151	150 1/6W CARBON RES	
	R624	QRD167J-151	150 1/6W CARBON RES	
	R625	QRD167J-562	5.6K 1/6W CARBON RES	
	R626	QRD167J-562	5.6K 1/6W CARBON RES	
	R627	QRD167J-562	5.6K 1/6W CARBON RES	
	R628	QRD167J-562	5.6K 1/6W CARBON RES	
	R629	QRD167J-562	5.6K 1/6W CARBON RES	
	R630	QRD167J-562	5.6K 1/6W CARBON RES	
	R631	QRD167J-151	150 1/6W CARBON RES	
	R651	QRD161J-103	10K 1/6W CARBON RES	
	R801	QRD161J-821	820 1/6W CARBON RES	
	R802	QRD167J-562	5.6K 1/6W CARBON RES	
	R803	QRD161J-112	1.1K 1/6W CARBON RES	
	R804	QRD167J-113	11K 1/6W CARBON RES	
	R806	QRD161J-124	120K 1/6W CARBON RES	
	R807	QRD167J-332	3.3K 1/6W CARBON RES	
	R808	QRD161J-752	7.5K 1/6W CARBON RES	
	R809	QRD167J-223	22K 1/6W CARBON RES	
	R810	QRD161J-472	4.7K 1/6W CARBON RES	
	R811	QRD167J-153	15K 1/6W CARBON RES	
	R812	QRD161J-752	7.5K 1/6W CARBON RES	
	R813	QRD167J-751	750 1/6W CARBON RES	
	R814	QRD167J-433	43K 1/6W CARBON RES	BS
	R814	QRD167J-433	43K 1/6W CARBON RES	EF
	R814	QRD167J-433	43K 1/6W CARBON RES	EN
	R814	QRD167J-433	43K 1/6W CARBON RES	G
	R816	QRD167J-562	5.6K 1/6W CARBON RES	
	R901	QRD161J-221	220 1/6W CARBON RES	
	R902	QRD161J-221	220 1/6W CARBON RES	
	R903	QRD161J-101	100 1/6W CARBON RES	
	R951	QRD161J-331	330 1/6W CARBON RES	BS
	R951	QRD161J-331	330 1/6W CARBON RES	EF
	R951	QRD161J-331	330 1/6W CARBON RES	EN
	R951	QRD161J-331	330 1/6W CARBON RES	G
	R952	QRD161J-123	12K 1/6W CARBON RES	BS
	R952	QRD161J-123	12K 1/6W CARBON RES	EF
	R952	QRD161J-123	12K 1/6W CARBON RES	EN
	R952	QRD161J-123	12K 1/6W CARBON RES	G
	R953	QRD161J-331	330 1/6W CARBON RES	BS
	R953	QRD161J-331	330 1/6W CARBON RES	EF
	R953	QRD161J-331	330 1/6W CARBON RES	EN
	R953	QRD161J-331	330 1/6W CARBON RES	G
	R954	QRD161J-472	4.7K 1/6W CARBON RES	BS
	R954	QRD161J-472	4.7K 1/6W CARBON RES	EF
	R954	QRD161J-472	4.7K 1/6W CARBON RES	EN
	R954	QRD161J-472	4.7K 1/6W CARBON RES	G
	RA201	QRB109J-104	100K 1/10W NETWORK RE	
	RA202	QRB129J-104	100K 1/10W NETWORK RE	

⚠ : SAFETY PARTS

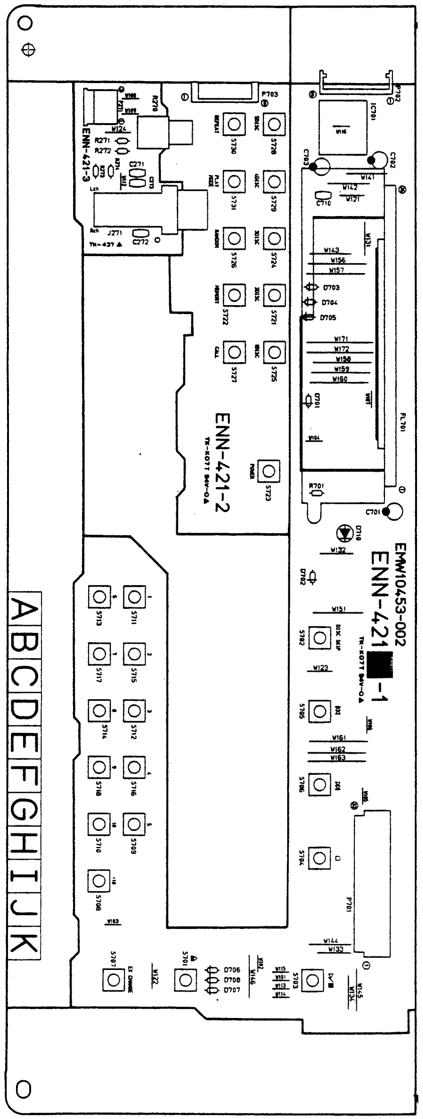
Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E70306-001	HEAT SINK	
		SBSE3008Z	SCREW	
		VYH7653-002	I.C.SOCKET	
	J001	QMCB001-E02HBS	AC SOCKET	BS
	J001	QMCB001-E02H	AC SOCKET	EF
	J001	QMCB001-E02H	AC SOCKET	EN
	J001	QMCB001-E02H	AC SOCKET	G
	J101	QMS3501-020	PIN JACK	BS
	J101	QMS3501-020	PIN JACK	EF
	J101	QMS3501-020	PIN JACK	EN
	J101	QMS3501-020	PIN JACK	G
	J102	EMN00YV-210A	PIN JACK	BS
	J102	EMN00YV-210A	PIN JACK	EF
	J102	EMN00YV-210A	PIN JACK	EN
	J102	EMN00YV-210A	PIN JACK	G
	K401	ENZ8101-007	INDUCTOR	BS
	K401	ENZ8101-007	INDUCTOR	EF
	K401	ENZ8101-007	INDUCTOR	EN
	K402	ENZ8101-007	INDUCTOR	BS
	K402	ENZ8101-007	INDUCTOR	EF
	K402	ENZ8101-007	INDUCTOR	EN
	K404	ENZ8101-008	INDUCTOR	G
	K405	ENZ8101-007	INDUCTOR	G
	L146	EQL4004-100	INDUCTOR	G
	L195	EQL4004-100	INDUCTOR	G
	P103	EMV5109-006A	CONNECT TER	
	P104	EMV7144-015	F.P.C.PLUG	
	P105	EMV7144-007	CONNECT TER	
	P106	EMV7123-032R	CONNECT TER	
	P110	EMV7122-004	CONNECT TER	
	P801	EMV7144-007R	CONNECT TER	
	X201	ECX0060-000EM	CERAMIC RES	
	X301	VCX5016-934V	CRYSTAL	BS
	X301	VCX5016-934V	CRYSTAL	EF
	X301	VCX5016-934V	CRYSTAL	EN
	X301	VCX5016-934V	CRYSTAL	G
⚠	CP101	ICP-N10	I.C.PROTECT	BS
⚠	CP101	ICP-N10	I.C.PROTECT	EF
⚠	CP101	ICP-N10	I.C.PROTECT	EN
⚠	CP101	ICP-N10	I.C.PROTECT	G
	FW101	EWR36B-13LST	FLAT WIRE A	
	FW102	EWR33B-30LST	FLAT WIRE A	
	FW103	EWR35B-25SST	FLAT WIRE A	
	FW104	EWR35B-13SST	FLAT WIRE A	
	FW110	EWR34B-16LST	FLAT WIRE A	
	FW851	EWR33B-10SST	FLAT WIRE A	
	JT101	EMV7122-103	CONNECT TER	
	JT102	EMV7122-103	CONNECT TER	
	PH101	GP1A52HR	PHOTO SENSO	
	PH102	GP2S28	PHOTO SENSO	
	SW601	ESS1200-002	LEVER SWITC	
	SW602	ESS1200-002	LEVER SWITC	
	SW603	ESS1200-002	LEVER SWITC	

⚠ : SAFETY PARTS

■ ENN-421 □ Display & Pin Jack PC Board Ass'y

Note : ENN-421 □ varies according to the areas employed. See note (1) when placing an order.



Note (1)

PC Board Ass'y	Version	Designated Areas
ENN-421 A	EF EN	Continental Europe Scandinavia
ENN-421 C	G	Germany
ENN-421 G	BS	the U.K.

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D701	1SS133	SI.DIODE ROHM	
	D702	1SS133	SI.DIODE ROHM	
	D703	1SS133	SI.DIODE ROHM	
	D704	1SS133	SI.DIODE ROHM	
	D705	1SS133	SI.DIODE ROHM	
	D706	1SS133	SI.DIODE ROHM	
	D710	SLA-580LT70F124	L.E.D. ROHM	BS
	D710	SLH-56VCF07	L.E.D. ROHM	EF
	D710	SLH-56VCF07	L.E.D. ROHM	EN
	D710	SLH-56VCF07	L.E.D. ROHM	G

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C273	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	BS
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	EF
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	EN
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	G
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	BS
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	EF
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	EN
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	G

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R270	QVAB79C-E53C	5K VARIABLE	
	R271	QRD161J-390	39 1/6W CARBON RES	
	R272	QRD161J-390	39 1/6W CARBON RES	
	R273	QRD161J-270	27 1/6W CARBON RES	
	R274	QRD161J-270	27 1/6W CARBON RES	
	R701	QRD161J-331	330 1/6W CARBON RES	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E306904-001SS	DISPLAY HOL	
		E306805-134	SPECER	BS
		E306805-134	SPECER	EF
		E306805-134	SPECER	EN
		E306805-134	SPECER	G
		ELU0001-179	FLUORESCENT	
	J271	QMS6A40-E20G	HEADPHONE J	
	P271	EMV7112-003R	CONNECT TER	BS
	P271	EMV7112-003R	CONNECT TER	EF
	P271	EMV7112-003R	CONNECT TER	EN
	P271	EMV7112-003R	CONNECT TER	G
	P701	EMV7123-032R	CONNECT TER	
	P702	EMV5120-008	CONNECT TER	BS
	P702	EMV5120-008	CONNECT TER	EF
	P702	EMV5120-008	CONNECT TER	EN
	P702	EMV5120-008	CONNECT TER	G
	P703	EMV7120-008	CONNECT TER	BS
	P703	EMV7120-008	CONNECT TER	EF
	P703	EMV7120-008	CONNECT TER	EN
	P703	EMV7120-008	CONNECT TER	G
	S701	QSQ1001-E01ZA	PUSH SWITCH	
	S702	QSQ1001-E01ZA	PUSH SWITCH	
	S703	QSQ1001-E01ZA	PUSH SWITCH	
	S704	QSQ1001-E01ZA	PUSH SWITCH	
	S705	QSQ1001-E01ZA	PUSH SWITCH	
	S706	QSQ1001-E01ZA	PUSH SWITCH	
	S707	QSQ1001-E01ZA	PUSH SWITCH	
	S721	QSQ1001-E01ZA	PUSH SWITCH	
	S722	QSQ1001-E01ZA	PUSH SWITCH	
	S723	QSQ1001-E01ZA	PUSH SWITCH	
	S724	QSQ1001-E01ZA	PUSH SWITCH	
	S725	QSQ1001-E01ZA	PUSH SWITCH	
	S726	QSQ1001-E01ZA	PUSH SWITCH	
	S727	QSQ1001-E01ZA	PUSH SWITCH	
	S728	QSQ1001-E01ZA	PUSH SWITCH	
	S729	QSQ1001-E01ZA	PUSH SWITCH	
	S730	QSQ1001-E01ZA	PUSH SWITCH	
	S731	QSQ1001-E01ZA	PUSH SWITCH	
	FL	ELU0001-179	FLUORESCENT	

⚠ : SAFETY PARTS

Accessories

Symbol No. M 7 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	E30580-2148ABS	INSTRUCTION BOOK	1		BS
		E30580-2149A	INSTRUCTION BOOK	1		EF
		E30580-2150A	INSTRUCTION BOOK	1		EN
		E30580-2149A	INSTRUCTION BOOK	1		G
⚠	2	QMP5520-1835BS	POWER CORD	1		BS
⚠		QMP39F0-183	POWER CORD	1		EF
⚠		QMP39F0-183	POWER CORD	1		EN
⚠		QMP39F0-183	POWER CORD	1		G
	3	E300196-010B	ENVELOPE	1		
		E300196-010B	ENVELOPE	1		BS
	4	EWP302-011	SIGNAL CORD	1		
	5	EWP805-001	SIGNAL CORD	1		
	6	E43486-340A	SAFETY SHEET	1		BS
	7	BT20060	WARRANTY CARD	1		BS
	8	BT-20066A	WARRANTY CARD	1		BS
	9	BT-20134	WARRANTY CARD	1		G

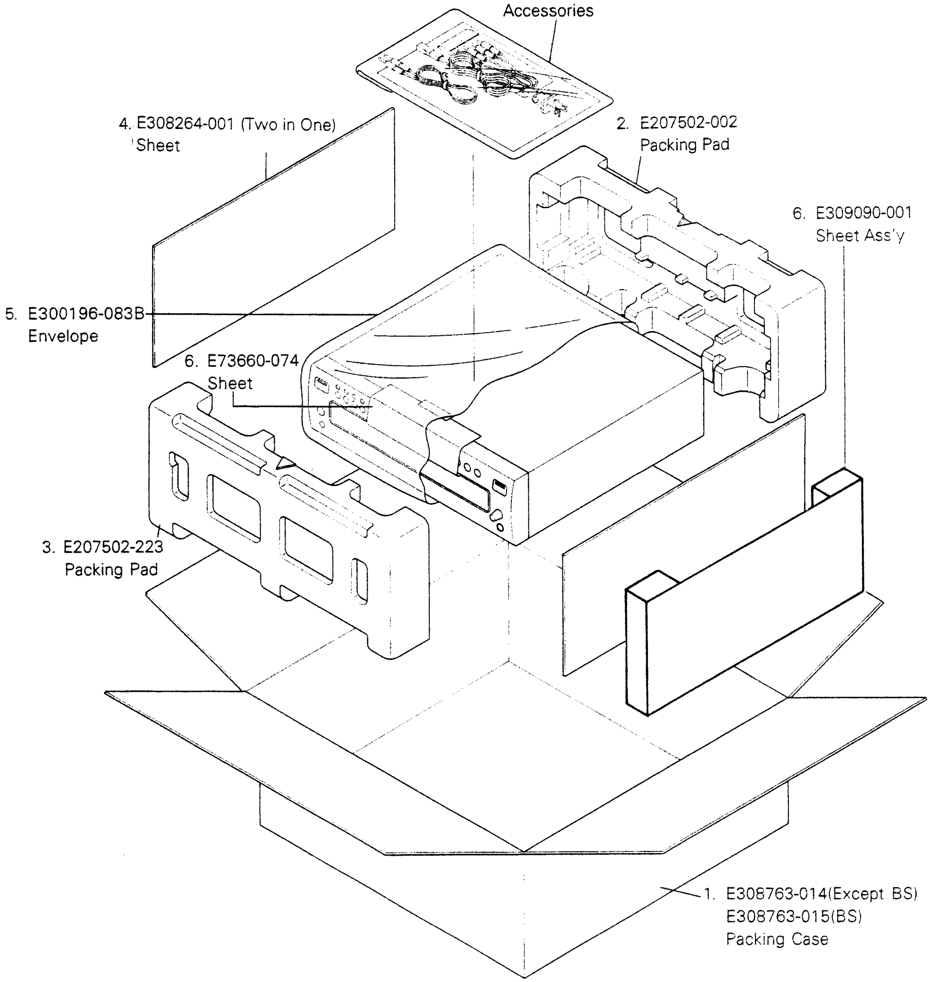
⚠: Safety Parts

The Marks for Designated Areas

BS .... the U.K	EF .... Contintal Europe	EN .... Scandinavia
G ..... Germany	No mark indicates all area.	

Packing Materials and Parts Numbers

Symbol No. M 8 M M


Accessories
4. E308264-001 (Two in One) Sheet
2. E207502-002 Packing Pad
6. E309090-001 Sheet Ass'y
5. E300196-083B Envelope
6. E73660-074 Sheet
3. E207502-223 Packing Pad
1. E308763-014(Except BS) E308763-015(BS) Packing Case

Designated Areas		
BS ··· the U.K. G ··· Germany	EF ··· Continental Europe No mark indicates all areas.	EN ··· Scandinavia

—— MEMO ——

XL-F215TN

< Parts List >

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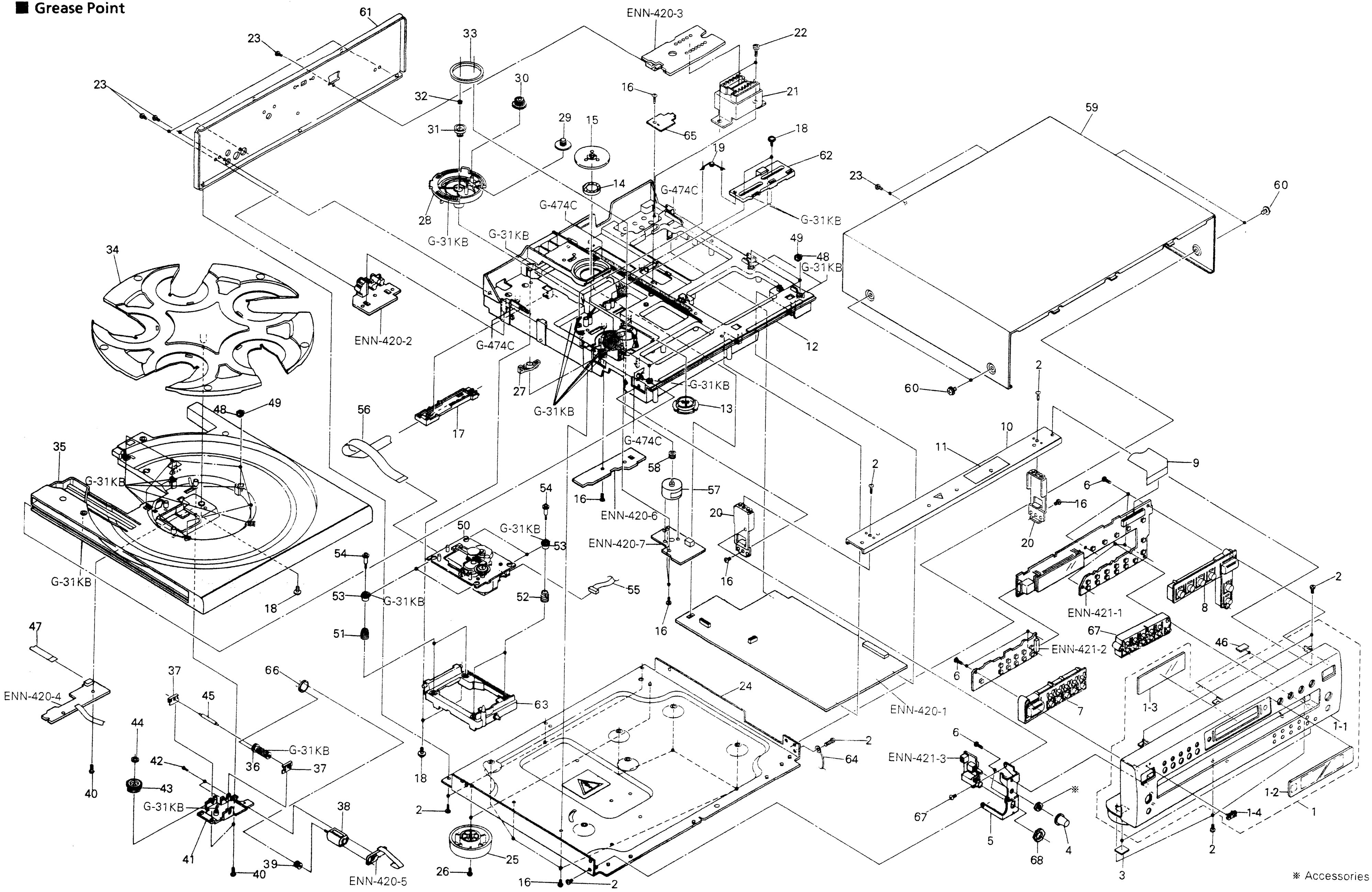
General Exploded View and Parts List

Symbol No. M 9 M M

■ Grease Point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ENN-420-5
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16
2
2
3
※

※ Accessories

■ Parts List

Symbol No. M 9 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	EFP-XLF215TNJ(S	FRONT PANEL ASSY	1		
	1-1	E102893-001ST	FRONT PANEL	1		
	1-2	E308113-009SS	WINDOW SCREEN	1		
	1-3	E407117-001	FLOURESCENT DISPL.SCREEN	1		
	1-4	VJD5429-001	JVC MARK	1		
	2	SDSG3006Z	TAPPING SCREW	10		
		SDSG3006Z	TAPPING SCREW	3		C
		SDSG3006Z	TAPPING SCREW	4		J
	3	E75896-001	SPACER	2	FRONT FOOT	
	4	E309097-003	VOLUME KNOB	1		
	5	E309048-001	HEADPHONE BRACKET	1		
	6	SDSF2608Z	SCREW	10		
	7	E208219-001	PUSH BUTTON	1	POWER	
	8	E208221-001	PUSH BUTTON	1	PLAY/PAUSE	
	9	VWF1232-25TTB	FLAT CORD	1		
	10	E207495-001SS	MECHA BASE	1		
	11	E406709-001	CAUTION LABEL	1		C
	12	E102883-001	MECHA BASE	1		
	13	E306835-001	CD CLAMPER	1		
	14	E74897-002	MAGNET	1		
	15	E306836-003	YOKE PLATE	1		
	16	SBSF3008Z	TAPPING SCREW	6		
		SBSF3008Z	TAPPING SCREW	1		C
		SBSF3008Z	TAPPING SCREW	1		J
	17	E308181-221SS	FFC HOLDER	1		
	18	E65923-003	TAPPING SCREW	5		
	19	E408293-002	SPRING	1		
	20	E308111-002SS	STAY BRACKET	2		
⚠	21	ETP1000-77JAJ	POWER TRANSFORMER	1		
	22	SBSF4008Z	TAPPING SCREW	2	POWER TRANS	
	23	E73273-006	SPECIAL SCREW	5		
		E73273-006	SPECIAL SCREW	2		C
		E73273-006	SPECIAL SCREW	2		J
	24	E102595-003SSF	CHASSIS BASE	1		
	25	E406379-009SS	FOOT	2		
	26	SBST3008Z	TAPPING SCREW	2		
	27	E309020-001	SWITCH LEVER	1		
	28	E309019-001	GEAR BASE	1		
	29	E408203-001	CAM GEAR	1		
	30	E408202-001	CAM GEAR	1		
	31	E75985-001	DRIVE GEAR	1		
	32	E72024-001	SPEED NUT	1		
	33	E75950-002	REEL BELT	1		
	34	E102885-001	DISK TABLE	1		
	35	E102884-001	CD TRAY	1		
	36	E408199-001	WORM PULLEY	1		
	37	E408201-001	SHAFT GUIDE	2		
	38	FF-130SH-11340	DC MOTOR	1		
	39	E73060-001	MOTOR PULLEY	1		
	40	SDSF3008M	WOOD SCREW	3		
	41	E309030-001	MOTOR BRACKET	1		
	42	SPSK2025Z	SCREW	2		
	43	E408200-001	WORM WHEEL	1		
	44	WDL360850	WASHER	1		
	45	E408197-001	PULLEY SHAFT	1		
	46	E306805-138	SPACER	1		
	47	VWF1007-25PPA	FFC CABLE	1		
	48	E407140-001SS	CD ROLLER	10		
	49	E407149-001SS	RUBBER TUBE	10		
	50	---------------	CD MECHANISM ASSY	1	SEE PAGE 4-7	C
	51	E407154-001	SPRING	2		
	52	E407154-002	SPRING	2		
	53	E407153-001	INSULATOR	4		
	54	E407146-001	SPECIAL SCREW	4	INSULATOR	
	55	EWS266-B409	SOCKET WIRE ASSY	1	6PIN	
	56	EWPZ02-001	FFC CABLE	1	15PIN	
	57	RF-500TB-12560	DC MOTOR	1		
	58	E75984-221	MOTOR PULLEY	1		
	59	E207496-003	METAL COVER	1		
	60	E406308-001	SPECIAL SCREW	4	METAL COVER(SIDE)	
	61	E208223-013SSF	REAR PANEL	1		C
		E208223-009SSF	REAR PANEL	1		J
	62	E208211-001	CAM PLATE	1		
	63	E208210-001	ELEVATOR BASE	1		
	64	EWT021-040	TERMINAL WIRE	1		J
	65	E408395-001	PROTECTOR COVER	1		
	66	E75950-003	DRIVE BELT	1		
	67	E309047-001	PUSH BUTTON	1	10KEY	
	68	VKZ4150-001	NUT	1		
	-	E61029-005	NUMBER LABEL	1		C
	-	E307570-001	NUMBER LABEL	1		J
	-	E45858-002	CAUTION LABEL	1		C

⚠ : Safety Parts

The Marks for Designated Areas

J	the U.S.A.	C	Canada

No mark indicates all area.

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	46	E306805-138	SPACER	1		
	47	VWF1007-25PPA	FFC CABLE	1		
	48	E407140-001SS	CD ROLLER	10		
	49	E407149-001SS	RUBBER TUBE	10		
	50	————	CD MECHANISM ASSY	1	SEE PAGE 4-7	C
	51	E407154-001	SPRING	2		
	52	E407154-002	SPRING	2		
	53	E407153-001	INSULATOR	4		
	54	E407146-001	SPECIAL SCREW	4	INSULATOR	
	55	EWS266-B409	SOCKET WIRE ASSY	1	6PIN	
	56	EWPZ02-001	FFC CABLE	1	15PIN	
	57	RF-500TB-12560	DC MOTOR	1		
	58	E75984-221	MOTOR PULLEY	1		
	59	E207496-003	METAL COVER	1		
	60	E406308-001	SPECIAL SCREW	4	METAL COVER(SIDE)	
	61	E208223-013SSF	REAR PANEL	1		C
		E208223-009SSF	REAR PANEL	1		J
	62	E208211-001	CAM PLATE	1		
	63	E208210-001	ELEVATOR BASE	1		
	64	EWT021-040	TERMINAL WIRE	1		J
	65	E408395-001	PROTECTOR COVER	1		
	66	E75950-003	DRIVE BELT	1		
	67	E309047-001	PUSH BUTTON	1	10KEY	
	68	VKZ4150-001	NUT	1		
	-	E61029-005	NUMBER LABEL	1		C
	-	E307570-001	NUMBER LABEL	1		J
	-	E45858-002	CAUTION LABEL	1		C

⚠ : Safety Parts

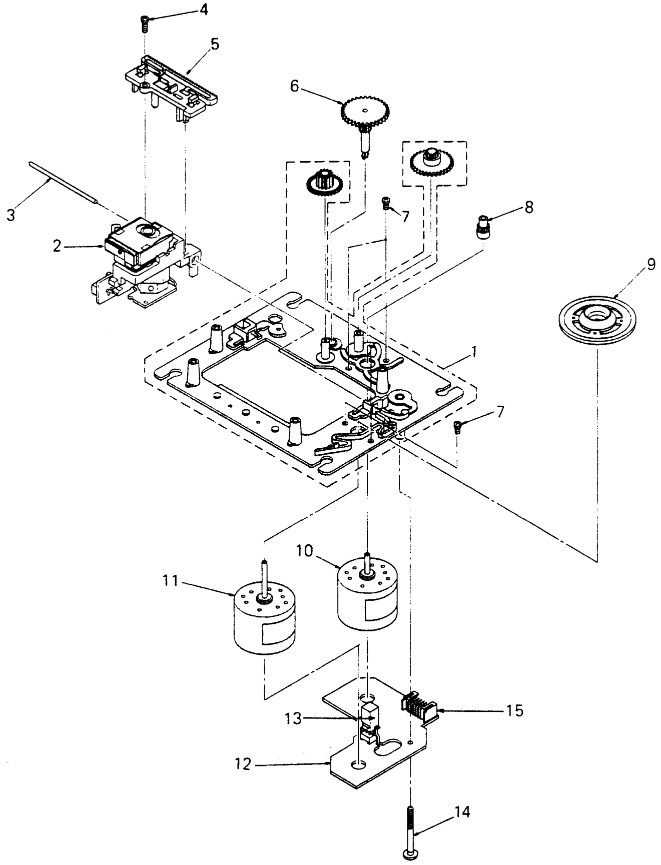
The Marks for Designated Areas

J ...... the U.S.A.　　C ..... Canada

No mark indicates all area.

CD Mechanism Ass'y and Parts List

Symbol No. M 10 M M



Symbol No. M 10 M M

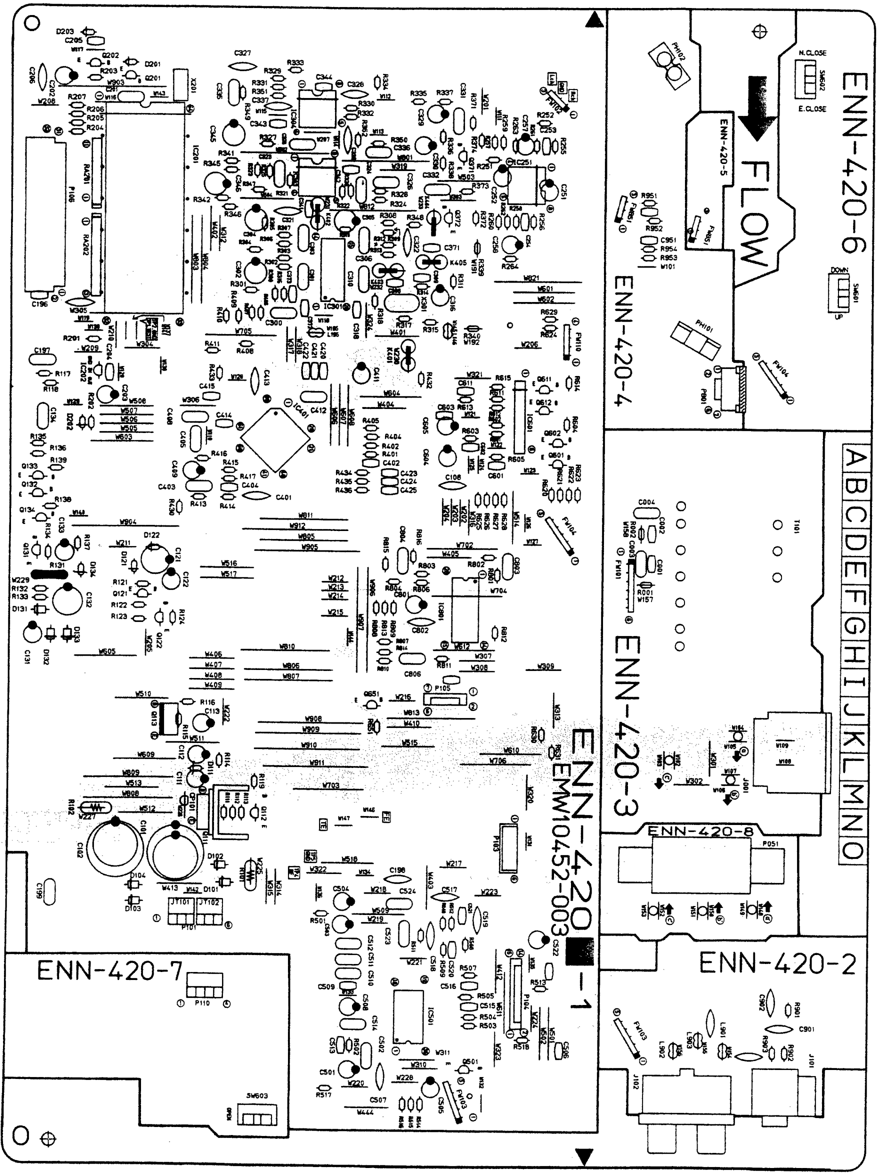
■ Parts List (CD Mechanism Ass'y)

Item	Part Number	Part Name	Q'ty	Description	Areas
1	EPB-002A	Base Ass'y	1		
2	OPTIMA-6S	Pick up	1		
3	E406777-001	Shaft	1		
4	SDSF2006Z	Screw	1		
5	E307746-001	Rack	1		
6	EPB-003A	Gear 3	1		
7	SDSP2003N	Screw	4		
8	E406750-001	Pinion Gear	1		
9	E75807-301	Turn Table Ass'y	1		
10	E406784-001	Feed Motor	1		
11	E406783-001	Spindle Motor	1		
12	EMW10190-001 (S)	Circuit Board	1		
13	ESB1100-005	Leaf Switch	1		
14	E75832-001	Special Screw	1		
15	EMV5109-006B	6P Plug Ass'y	1		

Printed Circuit Board Ass'y and Parts List

■ ENN-420☐ Main PC Board Assy

Note : ENN-420☐ varies according to the areas employed. See note (1) when placing an order.



Note (1)

PC Board Ass'y	Version	Designated Areas
ENN-420 A	C	Canada
ENN-420 B	J	the U.S.A.

Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q111	2SB1565(E,F)	SI.TRANSIST ROHM	
	Q112	2SD1302	SI.TRANSIST MATSUSHITA	
	Q113	2SB1357(E,F)	SI.TRANSIST ROHM	
	Q121	2SA933S(RS)	SI.TRANSIST	
	Q122	DTC114YS	DIGITAL TRA ROHM	
	Q131	2SA933S(RS)	SI.TRANSIST	
	Q132	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q133	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q134	DTA114YS	DIGITAL TRA ROHM	
	Q201	DTA114YS	DIGITAL TRA ROHM	
	Q202	DTC144ES	DIGITAL TRA ROHM	
	Q371	2SD1302	SI.TRANSIST MATSUSHITA	
	Q372	2SD1302	SI.TRANSIST MATSUSHITA	
	Q501	2SA950(O,Y)	SI.TRANSIST TOSHIBA	
	Q601	2SC2060(Q,R)	SI.TRANSIST ROHM	
	Q602	2SA934(Q,R)	SI.TRANSIST ROHM	
	Q611	2SC2060(Q,R)	SI.TRANSIST ROHM	
	Q612	2SA934(Q,R)	SI.TRANSIST ROHM	
	Q651	2SC1740S(R,S)	SI.TRANSIST ROHM	

⚠ : SAFETY PARTS

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	C
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	J
	IC202	MN1281(P,Q)	I.C(DIGI-MO MATSUSHITA	
	IC251	VC4580D	I.C(MONO-AN	C
	IC251	VC4580D	I.C(MONO-AN	J
	IC301	MN35502	I.C(DIGI-MO MATSUSHITA	
	IC304	VC4580D	I.C(MONO-AN	C
	IC304	VC4580D	I.C(MONO-AN	J
	IC401	MN662720RB	I.C(DIGI-MO MATSUSHITA	
	IC501	AN8803SB	I.C(MONO-AN MATSUSHITA	
	IC601	VC4580L	I.C(MONO-AN DAINICHI	
	IC801	BA6393FP	I.C(MONO-AN ROHM	

⚠ : SAFETY PARTS

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D101	1SR35-200A	SI.DIODE ROHM	
	D102	1SR35-200A	SI.DIODE ROHM	
	D103	1SR35-200A	SI.DIODE ROHM	
	D104	1SR35-200A	SI.DIODE ROHM	
	D111	MTZ5.6JA	ZENER DIODE ROHM	
	D121	1SS133	SI.DIODE ROHM	
	D122	1SS133	SI.DIODE ROHM	
	D131	1SR35-200A	SI.DIODE ROHM	
	D132	1SR35-200A	SI.DIODE ROHM	
	D133	1SR35-200A	SI.DIODE ROHM	
	D134	MTZ30JC	ZENER DIODE ROHM	
	D201	1SS133	SI.DIODE ROHM	
	D202	1SS133	SI.DIODE ROHM	
	D203	1SS133	SI.DIODE ROHM	C
	D203	1SS133	SI.DIODE ROHM	J

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C001	QCHB1EZ-223	0.022MF 25V CER.CAPACI	C
	C001	QCHB1EZ-223	0.022MF 25V CER.CAPACI	J
	C002	QCHB1EZ-223	0.022MF 25V CER.CAPACI	C
	C002	QCHB1EZ-223	0.022MF 25V CER.CAPACI	J
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	C
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	J
	C102	QETB1CM-108N	1000MF 16V E.CAPACITO	
	C108	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C111	QETB1HM-225	2.2MF 50V AL E.CAPAC	
	C112	QETB1AM-476	47MF 10V E.CAPACITO	
	C113	QETB1AM-476	47MF 10V E.CAPACITO	
	C121	QETB1CM-227	220MF 16V AL E.CAPAC	
	C122	QETB1CM-226	22MF 16V E.CAPACITO	
	C131	QETB1EM-476	47MF 25V AL E.CAPAC	
	C132	QETB1HM-476	47MF 50V E.CAPACITO	

⚠ : SAFETY PARTS

Capacitors

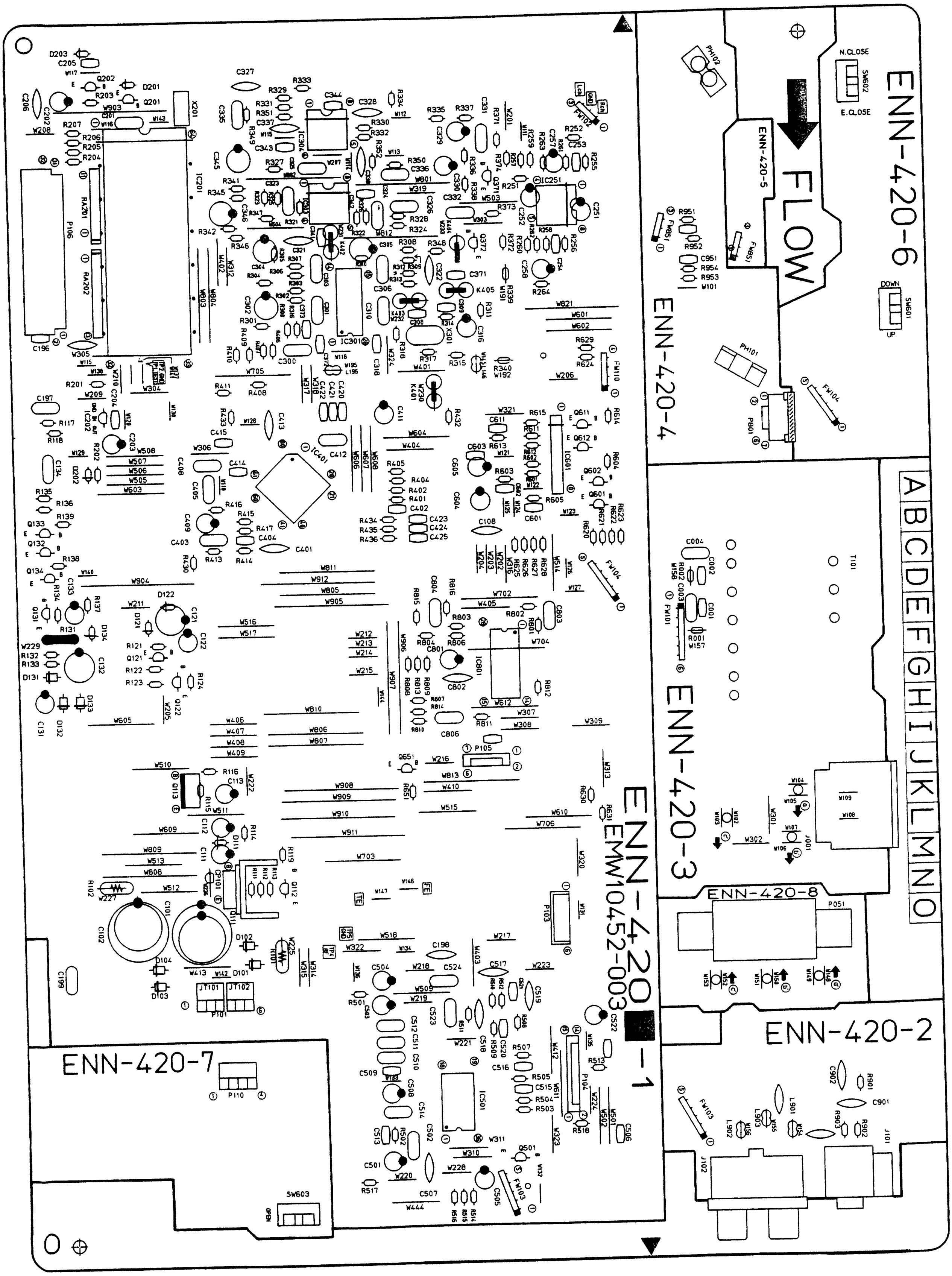
⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C133	QETB1HM-106	10MF 50V E.CAPACITO	
	C134	QFV81HJ-104	0.1MF 50V THIN FILM	
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	C
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	J
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	C
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	J
	C201	QFV81HJ-224	0.22MF 50V THIN FILM	
	C202	QETB1AM-476	47MF 10V E.CAPACITO	
	C203	QETB1EM-106	10MF 25V AL E.CAPAC	
	C204	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C205	QCBB1HK-331Y	330PF 50V CER.CAPACI	
	C206	QCF31HP-102Z	1000PF 50V CER.CAPACI	C
	C206	QCF31HP-102Z	1000PF 50V CER.CAPACI	J
	C251	QETB1EM-476	47MF 25V AL E.CAPAC	
	C252	QETB1EM-476	47MF 25V AL E.CAPAC	
	C253	QCBB1HK-181Y	180PF 50V CER.CAPACI	
	C254	QCBB1HK-181Y	180PF 50V CER.CAPACI	
	C257	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C258	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C300	QCZ0202-155	1.5MF 25V CER.RESIST	
	C301	QCZ0202-155	1.5MF 25V CER.RESIST	
	C302	QETB1AM-227	220MF 10V E.CAPACITO	
	C303	QCZ0202-155	1.5MF 25V CER.RESIST	
	C304	QETB0JM-227	220MF 6.3V E.CAPACITO	
	C305	QETB0JM-227	220MF 6.3V E.CAPACITO	
	C306	QCZ0202-155	1.5MF 25V CER.RESIST	
	C308	QCT30CH-120Y	12PF 50V CER.CAPACI	
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	C
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	J
	C310	QCZ0202-155	1.5MF 25V CER.RESIST	
	C316	QETB1AM-476	47MF 10V E.CAPACITO	
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	C
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	J
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	C
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	J
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	C
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	J
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	C
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	J
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	C
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	J
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	C
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	J
	C329	QETB1EM-476	47MF 25V AL E.CAPAC	
	C330	QETB1EM-476	47MF 25V AL E.CAPAC	
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	C
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	J
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	C
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	J
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	C
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	J
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	C
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	J
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	C
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	J
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	C
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	J
	C343	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C344	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C345	QETB1EM-476	47MF 25V AL E.CAPAC	
	C346	QETB1EM-476	47MF 25V AL E.CAPAC	
	C372	QCSB1HJ-100Y	10PF 50V CER.CAPACI	J
	C401	QCS31HJ-471Z	470PF 50V CER.CAPACI	
	C402	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C403	QFN81HJ-223	0.022MF 50V METAL.MYLA	
	C404	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C405	QFV71HJ-334ZM	0.33MF 50V THIN FILM	
	C408	QFV81HJ-104	0.1MF 50V THIN FILM	
	C409	QETB1AM-476	47MF 10V E.CAPACITO	
	C411	QETB1AM-476	47MF 10V E.CAPACITO	
	C412	QFV81HJ-104	0.1MF 50V THIN FILM	
	C413	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C414	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C415	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C501	QETB1AM-107	100MF 10V AL E.CAPAC	
	C502	QFV81HJ-104	0.1MF 50V THIN FILM	
	C503	QETB1AM-476	47MF 10V E.CAPACITO	
	C504	QETB1AM-107	100MF 10V AL E.CAPAC	
	C505	QER51EM-106	10MF 25V E.CAPACITO	C
	C505	QER51EM-106	10MF 25V E.CAPACITO	J
	C506	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C507	QCS31HJ-680Z	68PF 50V CER.CAPACI	
	C508	QETB1HM-105	1MF 50V AL E.CAPAC	
	C509	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C510	QFV81HJ-273	0.027MF 50V THIN FILM	
	C511	QFN81HJ-472	4700PF 50V MYLAR CAPA	
	C512	QFN81HJ-332	3300PF 50V METAL.MYLA	
	C513	QCT30CH-3R3Y	3.3PF 50V CER.CAPACI	
	C514	QFV81HJ-104	0.1MF 50V THIN FILM	
	C515	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C516	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C517	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C518	QCF21HP-222	2200PF 50V CER.CAPACI	
	C519	QCS31HJ-271Z	270PF 50V CER.CAPACI	
	C520	QCSB1HJ-680	68PF 50V CER.CAPACI	

⚠ : SAFETY PARTS

Printed Circuit Board Ass'y and Parts List

■ ENN-420☐ Main PC Board Assy

Note : ENN-420☐ varies according to the areas employed. See note (1) when placing an order.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SW601
SW603
DOWN
UP
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IC201
IC301
IC401
IC501
IC601
IC801
X201
X301
P101
P103
P104
P105
P106
P110
P051
J101
J102
T101
PH101
PH102

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C521	QCGB1HK-821	820PF 50V CER.CAPACI	
	C522	QETB1AM-476	47MF 10V E.CAPACITO	
	C523	QFV81HJ-104	0.1MF 50V THIN FILM	
	C524	QFV81HJ-104	0.1MF 50V THIN FILM	
	C601	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C602	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C603	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C604	QETB1CM-476	47MF 16V AL E.CAPAC	
	C605	QETB1CM-476	47MF 16V AL E.CAPAC	
	C611	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C801	QEK51CM-107	100MF 16V E.CAPACITO	
	C802	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C803	QFN81HJ-273	0.027MF 50V METAL.MYLA	
	C804	QFN81HJ-183	0.018MF 50V METAL.MYLA	
	C806	QFV81HJ-273	0.027MF 50V THIN FILM	
	C901	QCS31HJ-101Z	100PF 50V CER.CAPACI	
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	C
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	J

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R001	QRD161J-1R2Y	1.2 1/6W CARBON	J
	R002	QRD161J-1R2Y	1.2 1/6W CARBON	J
⚠	R101	PTH61G30BD2R2N	FUSIBLE RE	C
⚠	R102	PTH61G30BD2R2N	FUSIBLE RE	C
	R111	QRD161J-222	2.2K 1/6W CARBON RES	
	R112	QRD161J-221	220 1/6W CARBON RES	
	R113	QRD161J-221	220 1/6W CARBON RES	
	R114	QRD161J-202	2K 1/6W CARBON RES	C
	R114	QRD161J-202	2K 1/6W CARBON RES	J
	R115	QRD167J-102	1K 1/6W CARBON RES	
	R116	QRD161J-821	820 1/6W CARBON RES	
	R117	QRD167J-1R5	1.5 1/6W CARBON RES	
	R118	QRD167J-1R5	1.5 1/6W CARBON RES	
	R119	QRD161J-202	2K 1/6W CARBON RES	C
	R119	QRD161J-202	2K 1/6W CARBON RES	J
	R121	QRD161J-331	330 1/6W CARBON RES	
	R122	QRD167J-822	8.2K 1/6W CARBON RES	
	R123	QRD161J-683	68K 1/6W CARBON RES	
	R124	QRD161J-221	220 1/6W CARBON RES	
⚠	R131	QRZ0077-560	56 1/4W FUSIBLE RE	C
	R132	QRD161J-362	3.6K 1/6W CARBON RES	
	R133	QRD161J-362	3.6K 1/6W CARBON RES	
	R134	QRD167J-121	120 1/6W CARBON RES	
	R135	QRD161J-911	910 1/6W CARBON RES	
	R136	QRD161J-911	910 1/6W CARBON RES	
	R137	QRD161J-103	10K 1/6W CARBON RES	
	R138	QRD161J-103	10K 1/6W CARBON RES	
	R139	QRD161J-103	10K 1/6W CARBON RES	
	R201	QRD161J-103	10K 1/6W CARBON RES	
	R202	QRD167J-102	1K 1/6W CARBON RES	
	R203	QRD161J-472	4.7K 1/6W CARBON RES	
	R204	QRD161J-103	10K 1/6W CARBON RES	
	R205	QRD161J-103	10K 1/6W CARBON RES	
	R206	QRD161J-103	10K 1/6W CARBON RES	
	R207	QRD161J-103	10K 1/6W CARBON RES	
	R251	QRD161J-221	220 1/6W CARBON RES	
	R252	QRD161J-221	220 1/6W CARBON RES	
	R255	QRD167J-153	15K 1/6W CARBON RES	
	R256	QRD167J-153	15K 1/6W CARBON RES	
	R257	QRD161J-273	27K 1/6W CARBON RES	
	R258	QRD161J-273	27K 1/6W CARBON RES	
	R259	QRD161J-473	47K 1/6W CARBON RES	
	R260	QRD161J-473	47K 1/6W CARBON RES	
	R261	QRD161J-103	10K 1/6W CARBON RES	
	R262	QRD161J-103	10K 1/6W CARBON RES	
	R263	QRD161J-561	560 1/6W CARBON RES	
	R264	QRD161J-561	560 1/6W CARBON RES	
	R300	QRD167J-680	68 1/6W CARBON RES	C
	R300	QRD167J-680	68 1/6W CARBON RES	J
	R301	QRD167J-680	68 1/6W CARBON RES	C
	R301	QRD167J-680	68 1/6W CARBON RES	J
	R302	QRD161J-363	36K 1/6W CARBON RES	C
	R302	QRD161J-363	36K 1/6W CARBON RES	J
	R303	QRD161J-363	36K 1/6W CARBON RES	C
	R303	QRD161J-363	36K 1/6W CARBON RES	J
	R304	QRD161J-271	270 1/6W CARBON RES	C
	R304	QRD161J-271	270 1/6W CARBON RES	J
	R305	QRD161J-182	1.8K 1/6W CARBON RES	
	R306	QRD161J-363	36K 1/6W CARBON RES	C
	R306	QRD161J-363	36K 1/6W CARBON RES	J
	R307	QRD161J-363	36K 1/6W CARBON RES	C
	R307	QRD161J-363	36K 1/6W CARBON RES	J
	R308	QRD161J-363	36K 1/6W CARBON RES	C
	R308	QRD161J-363	36K 1/6W CARBON RES	J
	R309	QRD161J-363	36K 1/6W CARBON RES	C
	R309	QRD161J-363	36K 1/6W CARBON RES	J
	R310	QRD161J-182	1.8K 1/6W CARBON RES	
	R311	QRD161J-271	270 1/6W CARBON RES	C
	R311	QRD161J-271	270 1/6W CARBON RES	J
	R312	QRD161J-363	36K 1/6W CARBON RES	C

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R312	QRD161J-363	36K 1/6W CARBON RES	J
	R313	QRD161J-363	36K 1/6W CARBON RES	C
	R313	QRD161J-363	36K 1/6W CARBON RES	J
	R314	QRD161J-271	270 1/6W CARBON RES	
	R315	QRD161J-271	270 1/6W CARBON RES	C
	R315	QRD161J-271	270 1/6W CARBON RES	J
	R316	QRD161J-271	270 1/6W CARBON RES	
	R317	QRD167J-155	1.5M 1/6W CARBON RES	
	R318	QRD167J-102	1K 1/6W CARBON RES	
	R323	QRD167J-153	15K 1/6W CARBON RES	C
	R323	QRD167J-153	15K 1/6W CARBON RES	J
	R324	QRD167J-153	15K 1/6W CARBON RES	C
	R324	QRD167J-153	15K 1/6W CARBON RES	J
	R329	QRD161J-333	33K 1/6W CARBON RES	C
	R329	QRD161J-333	33K 1/6W CARBON RES	J
	R330	QRD161J-333	33K 1/6W CARBON RES	C
	R330	QRD161J-333	33K 1/6W CARBON RES	J
	R331	QRD161J-362	3.6K 1/6W CARBON RES	C
	R331	QRD161J-362	3.6K 1/6W CARBON RES	J
	R332	QRD161J-362	3.6K 1/6W CARBON RES	C
	R332	QRD161J-362	3.6K 1/6W CARBON RES	J
	R333	QRD161J-183	18K 1/6W CARBON RES	
	R334	QRD161J-183	18K 1/6W CARBON RES	
	R335	QRD161J-273	27K 1/6W CARBON RES	
	R336	QRD161J-273	27K 1/6W CARBON RES	
	R337	QRD167J-431	430 1/6W CARBON RES	
	R338	QRD167J-431	430 1/6W CARBON RES	
	R341	QRD161J-221	220 1/6W CARBON RES	
	R342	QRD161J-221	220 1/6W CARBON RES	
	R345	QRD161J-221	220 1/6W CARBON RES	
	R346	QRD161J-221	220 1/6W CARBON RES	
	R347	QRD167J-153	15K 1/6W CARBON RES	C
	R347	QRD167J-153	15K 1/6W CARBON RES	J
	R348	QRD167J-153	15K 1/6W CARBON RES	C
	R348	QRD167J-153	15K 1/6W CARBON RES	J
	R349	QRD161J-333	33K 1/6W CARBON RES	C
	R349	QRD161J-333	33K 1/6W CARBON RES	J
	R350	QRD161J-333	33K 1/6W CARBON RES	C
	R350	QRD161J-333	33K 1/6W CARBON RES	J
	R351	QRD161J-362	3.6K 1/6W CARBON RES	C
	R351	QRD161J-362	3.6K 1/6W CARBON RES	J
	R352	QRD161J-362	3.6K 1/6W CARBON RES	C
	R352	QRD161J-362	3.6K 1/6W CARBON RES	J
	R371	QRD161J-103	10K 1/6W CARBON RES	
	R372	QRD161J-103	10K 1/6W CARBON RES	
	R373	QRD161J-684	680K 1/6W CARBON RES	
	R374	QRD161J-473	47K 1/6W CARBON RES	
	R401	QRD167J-102	1K 1/6W CARBON RES	
	R402	QRD167J-102	1K 1/6W CARBON RES	
	R404	QRD167J-102	1K 1/6W CARBON RES	
	R405	QRD167J-102	1K 1/6W CARBON RES	
	R406	QRD167J-102	1K 1/6W CARBON RES	
	R407	QRD167J-102	1K 1/6W CARBON RES	
	R408	QRD167J-102	1K 1/6W CARBON RES	
	R409	QRD167J-102	1K 1/6W CARBON RES	
	R410	QRD167J-102	1K 1/6W CARBON RES	
	R411	QRD167J-102	1K 1/6W CARBON RES	
	R413	QRD167J-155	1.5M 1/6W CARBON RES	
	R414	QRD161J-104	100K 1/6W CARBON RES	
	R415	QRD161J-104	100K 1/6W CARBON RES	
	R416	QRD161J-681	680 1/6W CARBON RES	
	R417	QRD161J-124	120K 1/6W CARBON RES	
	R430	QRD161J-2R2	2.2 1/6W CARBON RES	
	R432	QRD161J-2R2	2.2 1/6W CARBON RES	
	R433	QRD167J-102	1K 1/6W CARBON RES	
	R434	QRD167J-102	1K 1/6W CARBON RES	
	R435	QRD167J-102	1K 1/6W CARBON RES	
	R436	QRD167J-102	1K 1/6W CARBON RES	
	R501	QRD167J-471	470 1/6W CARBON RES	
	R502	QRD161J-123	12K 1/6W CARBON RES	
	R503	QRD161J-103	10K 1/6W CARBON RES	
	R504	QRD161J-103	10K 1/6W CARBON RES	
	R505	QRD167J-134	130K 1/6W CARBON RES	
	R507	QRD161J-913	91K 1/6W CARBON RES	
	R508	QRD161J-273	27K 1/6W CARBON RES	
	R509	QRD161J-683	68K 1/6W CARBON RES	
	R510	QRD167J-154	150K 1/6W CARBON RES	
	R511	QRD161J-394	390K 1/6W CARBON RES	
	R512	QRD161J-103	10K 1/6W CARBON RES	
	R513	QRD167J-121	120 1/6W CARBON RES	
	R514	QRD161J-470	47 1/6W CARBON RES	
	R515	QRD161J-470	47 1/6W CARBON RES	
	R516	QRD161J-470	47 1/6W CARBON RES	
	R517	QRD161J-2R2	2.2 1/6W CARBON RES	
	R518	QRD161J-910Y	91 1/6W CARBON RES	
	R601	QRD161J-203	20K 1/6W CARBON RES	
	R602	QRD161J-203	20K 1/6W CARBON RES	
	R603	QRD167J-153	15K 1/6W CARBON RES	
	R604	QRD167J-151	150 1/6W CARBON RES	
	R605	QRD167J-153	15K 1/6W CARBON RES	
	R611	QRD161J-183	18K 1/6W CARBON RES	
	R612	QRD161J-183	18K 1/6W CARBON RES	
	R613	QRD161J-243	24K 1/6W CARBON RES	

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R614	QRD167J-151	150 1/6W CARBON RES	
	R615	QRD161J-243	24K 1/6W CARBON RES	
	R620	QRD167J-151	150 1/6W CARBON RES	
	R621	QRD167J-151	150 1/6W CARBON RES	
	R622	QRD167J-151	150 1/6W CARBON RES	
	R623	QRD167J-151	150 1/6W CARBON RES	
	R624	QRD167J-151	150 1/6W CARBON RES	
	R625	QRD167J-562	5.6K 1/6W CARBON RES	
	R626	QRD167J-562	5.6K 1/6W CARBON RES	
	R627	QRD167J-562	5.6K 1/6W CARBON RES	
	R628	QRD167J-562	5.6K 1/6W CARBON RES	
	R629	QRD167J-562	5.6K 1/6W CARBON RES	
	R630	QRD167J-562	5.6K 1/6W CARBON RES	
	R631	QRD167J-151	150 1/6W CARBON RES	
	R651	QRD161J-103	10K 1/6W CARBON RES	
	R801	QRD161J-821	820 1/6W CARBON RES	
	R802	QRD167J-562	5.6K 1/6W CARBON RES	
	R803	QRD161J-112	1.1K 1/6W CARBON RES	
	R804	QRD167J-113	11K 1/6W CARBON RES	
	R806	QRD161J-124	120K 1/6W CARBON RES	
	R807	QRD167J-332	3.3K 1/6W CARBON RES	
	R808	QRD161J-752	7.5K 1/6W CARBON RES	
	R809	QRD167J-223	22K 1/6W CARBON RES	
	R810	QRD161J-472	4.7K 1/6W CARBON RES	
	R811	QRD167J-153	15K 1/6W CARBON RES	
	R812	QRD161J-752	7.5K 1/6W CARBON RES	
	R813	QRD167J-751	750 1/6W CARBON RES	
	R814	QRD167J-433	43K 1/6W CARBON RES	C
	R814	QRD167J-433	43K 1/6W CARBON RES	J
	R816	QRD167J-562	5.6K 1/6W CARBON RES	
	R901	QRD161J-221	220 1/6W CARBON RES	
	R902	QRD161J-221	220 1/6W CARBON RES	
	R903	QRD161J-101	100 1/6W CARBON RES	
	R951	QRD161J-331	330 1/6W CARBON RES	C
	R951	QRD161J-331	330 1/6W CARBON RES	J
	R952	QRD161J-123	12K 1/6W CARBON RES	C
	R952	QRD161J-123	12K 1/6W CARBON RES	J
	R953	QRD161J-331	330 1/6W CARBON RES	C
	R953	QRD161J-331	330 1/6W CARBON RES	J
	R954	QRD161J-472	4.7K 1/6W CARBON RES	C
	R954	QRD161J-472	4.7K 1/6W CARBON RES	J
	RA201	QRB109J-104	100K 1/10W NETWORK RE	
	RA202	QRB129J-104	100K 1/10W NETWORK RE	

⚠ : SAFETY PARTS

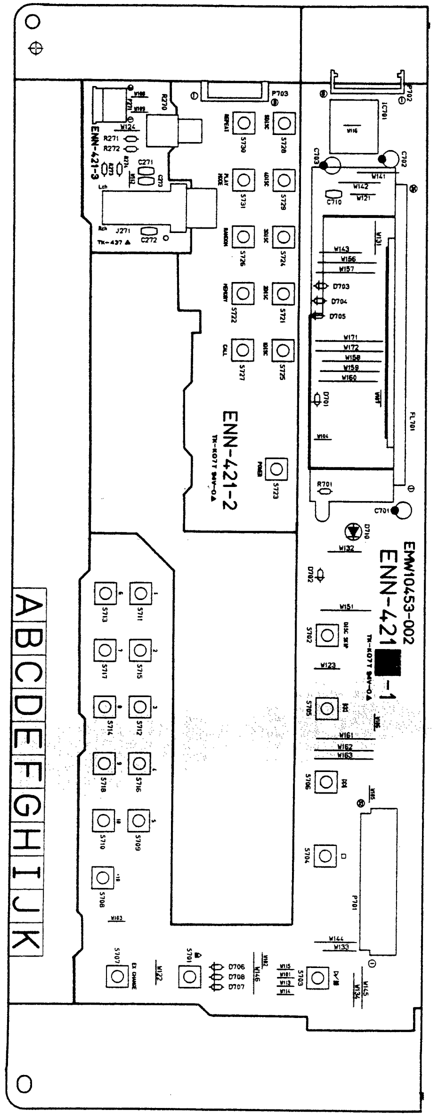
Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E70306-001	HEAT SINK	
		SBSE3008Z	SCREW	
		VYH7653-002	I.C.SOCKET	
	J001	QMCB001-E03H	AC INLET	C
	J001	QMCB001-E03H	AC INLET	J
	J101	QMS3501-020	PIN JACK	C
	J101	QMS3501-020	PIN JACK	J
	J102	EMN00YV-210A	PIN JACK	C
	J102	EMN00YV-210A	PIN JACK	J
	K401	ENZ8101-007	INDUCTOR	J
	K402	ENZ8101-007	INDUCTOR	J
	P103	EMV5109-006A	CONNECT TER	
	P104	EMV7144-015	F.P.C.PLUG	
	P105	EMV7144-007	CONNECT TER	
	P106	EMV7123-032R	CONNECT TER	
	P110	EMV7122-004	CONNECT TER	
	P801	EMV7144-007R	CONNECT TER	
	X201	ECX0060-000EM	CERAMIC RES	
	X301	VCX5016-934V	CRYSTAL	C
	X301	VCX5016-934V	CRYSTAL	J
⚠	CP101	ICP-N10	I.C.PROTECT	C
	FW101	EWR36B-13LST	FLAT WIRE A	
	FW102	EWR33B-30LST	FLAT WIRE A	
	FW103	EWR35B-25SST	FLAT WIRE A	
	FW104	EWR35B-13SST	FLAT WIRE A	
	FW110	EWR34B-16LST	FLAT WIRE A	
	FW851	EWR33B-10SST	FLAT WIRE A	
	JT101	EMV7122-103	CONNECT TER	
	JT102	EMV7122-103	CONNECT TER	
	PH101	GP1A52HR	PHOTO SENSO	
	PH102	GP2S28	PHOTO SENSO	
	SW601	ESS1200-002	LEVER SWITC	
	SW602	ESS1200-002	LEVER SWITC	
	SW603	ESS1200-002	LEVER SWITC	

⚠ : SAFETY PARTS

■ ENN-421☐ Display & Pin Jack PC Board Ass'y

Note : ENN-421☐ varies according to the areas employed. See note (1) when placing an order.



Note (1)

PC Board Ass'y	Version	Designated Areas
ENN-421 D	C	Canada
ENN-421 E	J	the U.S.A.

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC701	SPS-420-1	INFRARED DE SANYO	C
	IC701	SPS-420-1	INFRARED DE SANYO	J

⚠ : SAFETY PARTS

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D701	1SS133	SI.DIODE ROHM	
	D702	1SS133	SI.DIODE ROHM	
	D703	1SS133	SI.DIODE ROHM	
	D704	1SS133	SI.DIODE ROHM	
	D705	1SS133	SI.DIODE ROHM	
	D706	1SS133	SI.DIODE ROHM	
	D707	1SS133	SI.DIODE ROHM	C
	D707	1SS133	SI.DIODE ROHM	J
	D708	1SS133	SI.DIODE ROHM	C
	D708	1SS133	SI.DIODE. ROHM	J
	D710	SLH-56VCF07	L.E.D. ROHM	C
	D710	SLH-56VCF07	L.E.D. ROHM	J

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C273	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	C
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	J
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	C
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	J
	C703	QER51EM-106	10MF 25V E.CAPACITO	C
	C703	QER51EM-106	10MF 25V E.CAPACITO	J

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R270	QVAB79C-E53C	5K VARIABLE	
	R271	QRD161J-390	39 1/6W CARBON RES	
	R272	QRD161J-390	39 1/6W CARBON RES	
	R273	QRD161J-270	27 1/6W CARBON RES	
	R274	QRD161J-270	27 1/6W CARBON RES	
	R701	QRD161J-331	330 1/6W CARBON RES	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E306904-001SS	DISPLAY HOL	
		E306805-134	SPECER	C
		E306805-134	SPECER	J
		ELU0001-179	FLUORESCENT	
	J271	QMS6A40-E20G	HEADPHONE J	
	L108	EQL4004-100	INDUCTOR	J
	L109	EQL4004-100	INDUCTOR	J
	L112	EQL4004-100	INDUCTOR	J
	P271	EMV7112-003R	CONNECT TER	C
	P271	EMV7112-003R	CONNECT TER	J
	P701	EMV7123-032R	CONNECT TER	
	P702	EMV5120-008	CONNECT TER	C
	P702	EMV5120-008	CONNECT TER	J
	P703	EMV7120-008	CONNECT TER	C
	P703	EMV7120-008	CONNECT TER	J
	S701	QSQ1001-E01ZA	PUSH SWITCH	
	S702	QSQ1001-E01ZA	PUSH SWITCH	
	S703	QSQ1001-E01ZA	PUSH SWITCH	
	S704	QSQ1001-E01ZA	PUSH SWITCH	
	S705	QSQ1001-E01ZA	PUSH SWITCH	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	S706	QSQ1001-E01ZA	PUSH SWITCH	
	S707	QSQ1001-E01ZA	PUSH SWITCH	
	S708	QSQ1001-E01ZA	PUSH SWITCH	C
	S708	QSQ1001-E01ZA	PUSH SWITCH	J
	S709	QSQ1001-E01ZA	PUSH SWITCH	C
	S709	QSQ1001-E01ZA	PUSH SWITCH	J
	S710	QSQ1001-E01ZA	PUSH SWITCH	C
	S710	QSQ1001-E01ZA	PUSH SWITCH	J
	S711	QSQ1001-E01ZA	PUSH SWITCH	C
	S711	QSQ1001-E01ZA	PUSH SWITCH	J
	S712	QSQ1001-E01ZA	PUSH SWITCH	C
	S712	QSQ1001-E01ZA	PUSH SWITCH	J
	S713	QSQ1001-E01ZA	PUSH SWITCH	C
	S713	QSQ1001-E01ZA	PUSH SWITCH	J
	S714	QSQ1001-E01ZA	PUSH SWITCH	C
	S714	QSQ1001-E01ZA	PUSH SWITCH	J
	S715	QSQ1001-E01ZA	PUSH SWITCH	C
	S715	QSQ1001-E01ZA	PUSH SWITCH	J
	S716	QSQ1001-E01ZA	PUSH SWITCH	C
	S716	QSQ1001-E01ZA	PUSH SWITCH	J
	S717	QSQ1001-E01ZA	PUSH SWITCH	C
	S717	QSQ1001-E01ZA	PUSH SWITCH	J
	S718	QSQ1001-E01ZA	PUSH SWITCH	C
	S718	QSQ1001-E01ZA	PUSH SWITCH	J
	S721	QSQ1001-E01ZA	PUSH SWITCH	
	S722	QSQ1001-E01ZA	PUSH SWITCH	
	S723	QSQ1001-E01ZA	PUSH SWITCH	
	S724	QSQ1001-E01ZA	PUSH SWITCH	
	S725	QSQ1001-E01ZA	PUSH SWITCH	
	S726	QSQ1001-E01ZA	PUSH SWITCH	
	S727	QSQ1001-E01ZA	PUSH SWITCH	
	S728	QSQ1001-E01ZA	PUSH SWITCH	
	S729	QSQ1001-E01ZA	PUSH SWITCH	
	S730	QSQ1001-E01ZA	PUSH SWITCH	
	S731	QSQ1001-E01ZA	PUSH SWITCH	
	FL	ELU0001-179	FLUORESCENT	

⚠ : SAFETY PARTS

Accessories

Symbol No. M 11 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	E30580-2147A	INSTRUCTION BOOK	1		C
		E30580-2146A	INSTRUCTION BOOK	1		J
⚠	2	QMP1E00-183	POWER CORD	1		
	3	EWP302-011	SIGNAL CORD	1		
	4	EWP805-001	SIGNAL CORD	1		
	5	RM-SX215U	WIRE-LESS REMOTE CONTROL	1		
	6	R6PRPA-2STSA	BATTERY	1		
	7	25-0218A	BATTERY COVER	1		
	8	E300196-010B	ENVELOPE	1		
	9	BT-51001-1	WARRANTY CARD	1		J
	10	BT-51006-1	REGISTER CARD	1		J
	11	BT-20044G	SAFETY SHEET	1		J
	12	BT-20025L	WARRANTY CARD	1		C
	13	BT-20071B	SERVICE NETWORK	1		C
	14	E300196-083B	POLY BAG	1		
	15	E73660-074	PROTECT SHEET	1		C
		E73660-074	PROTECT SHEET	1		J

⚠ : Safety Parts

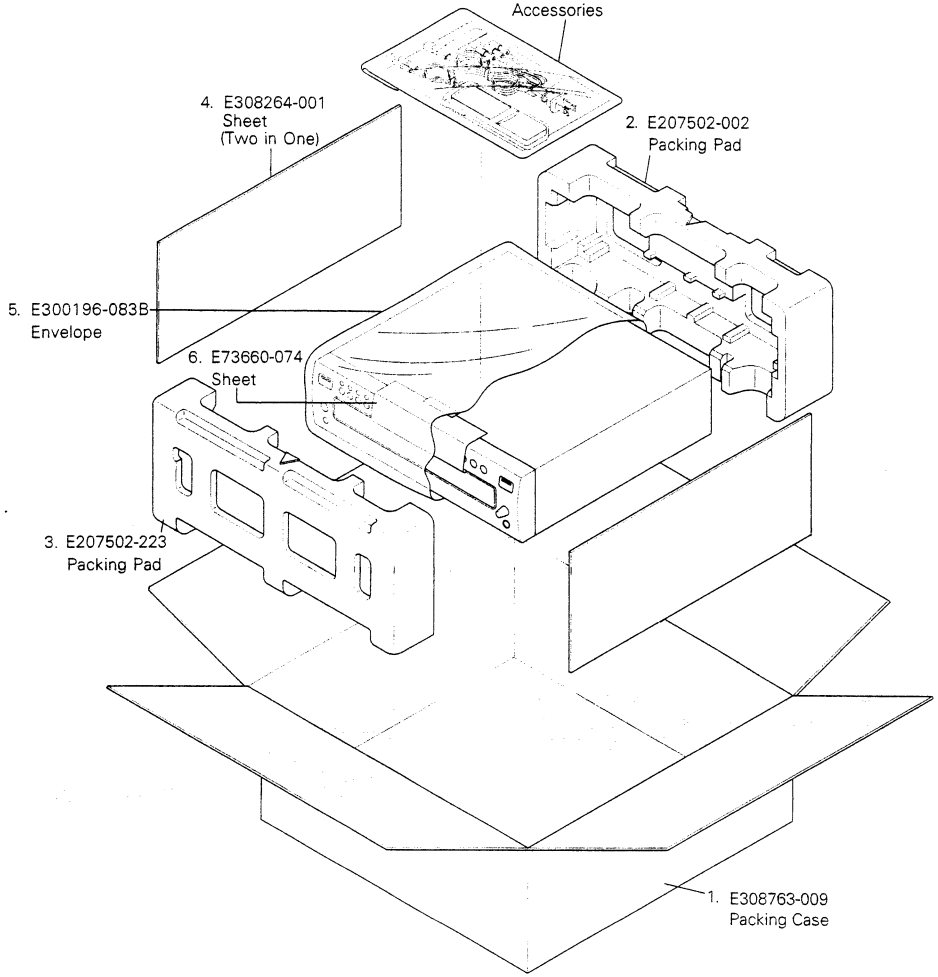
The Marks for Designated Areas

J ...... the U.S.A. C ..... Canada

No mark indicates all area.

Packing Materials and Parts Numbers

Symbol No. M 12 M M


Accessories
4. E308264-001
Sheet
(Two in One)
2. E207502-002
Packing Pad
5. E300196-083B
Envelope
6. E73660-074
Sheet
3. E207502-223
Packing Pad
1. E308763-009
Packing Case

Designated Areas
J .. the U.S.A. C .. Canada No mark indicates all areas.

XL-F216BK

< Parts List >

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Parts List

Symbol No. M 13 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	EFP-XLF216BKE(S	FRONT PANEL	1		
		EFP-XLF216BKU(S	FRONT PANEL	1		
	1-1	E102893-002ST	FRONT PANEL	1		BS
		E102893-002ST	FRONT PANEL	1		EF
		E102893-002ST	FRONT PANEL	1		EN
		E102893-002ST	FRONT PANEL	1		G
		E102893-006ST	FRONT PANEL	1		U
		E102893-006ST	FRONT PANEL	1		UT
	1-2	E308113-010SS	WINDOW SCREEN	1		
	1-3	VJD5429-001	JVC MARK	1		
	2	SDSG3006Z	TAPPING SCREW	10		
		SDSG3006Z	TAPPING SCREW	3		BS
		SDSG3006Z	TAPPING SCREW	3		EF
		SDSG3006Z	TAPPING SCREW	3		EN
		SDSG3006Z	TAPPING SCREW	3		G
		SDSG3006Z	TAPPING SCREW	3		U
		SDSG3006Z	TAPPING SCREW	3		UT
	3	E75896-001	SPACER	2	FRONT FOOT	U
		E75896-001	SPACER	2	FRONT FOOT	UT
	4	E309097-004	VOLUME KNOB	1		
	5	E309048-001	HEADPHONE BRACKET	1		
	6	SDSF2608Z	SCREW	10		
	7	E208219-002	PUSH BUTTON	1	POWER	
	8	E208221-002	PUSH BUTTON	1	PLAY/PAUSE	
	9	VWF1232-25TTB	FLAT WIRE ASSY	1		
	10	E207495-001SS	MECHA FLAME	1		
	11	E406709-001	CAUTION LABEL	1		
	12	E102883-001	MECHA BASE	1		
	13	E306835-001	CD CLAMPER	1		
	14	E74897-002	MAGNET	1		
	15	E306836-003	YOKE	1		BS
	16	SBSF3008Z	TAPPING SCREW	6		
		SBSF3008Z	TAPPING SCREW	7		BS
		SBSF3008Z	TAPPING SCREW	7		EF
		SBSF3008Z	TAPPING SCREW	7		EN
		SBSF3008Z	TAPPING SCREW	7		G
		SBSF3008Z	TAPPING SCREW	7		U
		SBSF3008Z	TAPPING SCREW	7		UT
	17	E308181-221SS	FFC HOLDER	1		
	18	E65923-003	TAPPING SCREW	5		
	19	E408293-002	SPRING	1		
	20	E308111-002SS	STAY BRACKET	2		
⚠	21	ETP1000-77EAJBS	POWER TRANSFORMER	1		BS
⚠		ETP1000-77EAJ	POWER TRANSFORMER	1		EF
⚠		ETP1000-77EAJ	POWER TRANSFORMER	1		EN
⚠		ETP1000-77EAJ	POWER TRANSFORMER	1		G
⚠		ETP1000-77LAJ	POWER TRANSFORMER	1		U
⚠		ETP1000-77LAJ	POWER TRANSFORMER	1		UT
	22	SBSF4008Z	TAPPING SCREW	2		
	23	E73273-006	SPECIAL SCREW	5		
		E73273-006	SPECIAL SCREW	2		BS
		E73273-006	SPECIAL SCREW	2		EF
		E73273-006	SPECIAL SCREW	2		EN
		E73273-006	SPECIAL SCREW	2		G
		E73273-006	SPECIAL SCREW	2		U
		E73273-006	SPECIAL SCREW	2		UT
	24	E102595-003SSF	CHASSIS BASE	1		
	25	E406379-008SS	FOOT	4		BS
		E406379-008SS	FOOT	4		EF
		E406379-008SS	FOOT	4		EN
		E406379-008SS	FOOT	4		G
		E406379-010SS	FOOT	2		U
		E406379-010SS	FOOT	2		UT
	26	SBST3008Z	TAPPING SCREW	4		BS
		SBST3008Z	TAPPING SCREW	4		EF
		SBST3008Z	TAPPING SCREW	4		EN
		SBST3008Z	TAPPING SCREW	4		G
		SBST3008Z	TAPPING SCREW	2		U
		SBST3008Z	TAPPING SCREW	2		UT
	27	E309020-001	SWITCH LEVER	1		
	28	E309019-001	GEAR BASE	1		
	29	E408203-001	CAM GEAR	1		
	30	E408202-001	CAM GEAR	1		
	31	E75985-001	C.D GEAR (1)	1		
	32	E72024-001	SPEED NUT	1	MOTOR (FF-130SH)	BS
	33	E75950-002	REEL BELT	1		
	34	E102885-002	DISK TABLE	1		
	35	E102884-002	CD TRAY	1		
	36	E408199-001	WORM PULLEY	1		
	37	E408201-001	SHAFT GUIDE	2		
	38	FF-130SH-11340	DC MOTOR	1		
	39	E73060-001	MOTOR PULLEY	1		
	40	SDSF3008M	WOOD SCREW	3		
	41	E309030-001	MOTOR BRACKET	1		
	42	SPSK2025Z	SCREW	2		
	43	E408200-001	WORM WHEEL	1		
	44	WDL360850	WASHER	1		
	45	E408197-001	PULLEY SHAFT	1		
	46	E306805-138	SPACER	1		
	47	VWF1007-25PPA	FFC CABLE	1		
	48	E407140-001SS	CD ROLLER	10		
	49	E407149-001SS	RUBBER TUBE	10		
	50	————————	CD MECHANISM ASSY	1	See Page 5-7	
	51	E407154-001	SPRING	2		
	52	E407154-002	SPRING	2		
	53	E407153-001	INSULATOR	4		
	54	E407146-001	SPECIAL SCREW	4	INSULATOR	
	55	EWS266-B409	SOCKET WIRE ASSY	1	6PIN	
	56	EWPZ02-001	FFC CABLE	1	15PIN	
	57	RF-500TB-12560	DC MOTOR	1		
	58	E75984-221	MOTOR PULLEY	1		
	59	E207496-004	METAL COVER	1		
	60	E406308-001	SPECIAL SCREW	4		
	61	E208223-014SSF	REAR PANEL	1		BS
		E208223-012SSF	REAR PANEL	1		EF
		E208223-012SSF	REAR PANEL	1		EN
		E208223-012SSF	REAR PANEL	1		G
		E208223-015SSF	REAR PANEL	1		U
		E208223-015SSF	REAR PANEL	1		UT
	-	E308287-044	RATING LABEL	1		U

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
		E73273-006	SPECIAL SCREW	2		UT
	24	E102595-003SSF	CHASSIS BASE	1		
	25	E406379-008SS	FOOT	4		BS
		E406379-008SS	FOOT	4		EF
		E406379-008SS	FOOT	4		EN
		E406379-008SS	FOOT	4		G
		E406379-010SS	FOOT	2		U
		E406379-010SS	FOOT	2		UT
	26	SBST3008Z	TAPPING SCREW	4		BS
		SBST3008Z	TAPPING SCREW	4		EF
		SBST3008Z	TAPPING SCREW	4		EN
		SBST3008Z	TAPPING SCREW	4		G
		SBST3008Z	TAPPING SCREW	2		U
		SBST3008Z	TAPPING SCREW	2		UT
	27	E309020-001	SWITCH LEVER	1		
	28	E309019-001	GEAR BASE	1		
	29	E408203-001	CAM GEAR	1		
	30	E408202-001	CAM GEAR	1		
	31	E75985-001	C.D GEAR (1)	1		
	32	E72024-001	SPEED NUT	1	MOTOR (FF-130SH)	BS
	33	E75950-002	REEL BELT	1		
	34	E102885-002	DISK TABLE	1		
	35	E102884-002	CD TRAY	1		
	36	E408199-001	WORM PULLEY	1		
	37	E408201-001	SHAFT GUIDE	2		
	38	FF-130SH-11340	DC MOTOR	1		
	39	E73060-001	MOTOR PULLEY	1		
	40	SDSF3008M	WOOD SCREW	3		
	41	E309030-001	MOTOR BRACKET	1		
	42	SPSK2025Z	SCREW	2		
	43	E408200-001	WORM WHEEL	1		
	44	WDL360850	WASHER	1		
	45	E408197-001	PULLEY SHAFT	1		
	46	E306805-138	SPACER	1		
	47	VWF1007-25PPA	FFC CABLE	1		
	48	E407140-001SS	CD ROLLER	10		
	49	E407149-001SS	RUBBER TUBE	10		
	50	————————	CD MECHANISM ASSY	1	See Page 5-7	
	51	E407154-001	SPRING	2		
	52	E407154-002	SPRING	2		
	53	E407153-001	INSULATOR	4		
	54	E407146-001	SPECIAL SCREW	4	INSULATOR	
	55	EWS266-B409	SOCKET WIRE ASSY	1	6PIN	
	56	EWPZ02-001	FFC CABLE	1	15PIN	
	57	RF-500TB-12560	DC MOTOR	1		
	58	E75984-221	MOTOR PULLEY	1		
	59	E207496-004	METAL COVER	1		
	60	E406308-001	SPECIAL SCREW	4		
	61	E208223-014SSF	REAR PANEL	1		BS
		E208223-012SSF	REAR PANEL	1		EF
		E208223-012SSF	REAR PANEL	1		EN
		E208223-012SSF	REAR PANEL	1		G
		E208223-015SSF	REAR PANEL	1		U
		E208223-015SSF	REAR PANEL	1		UT
	-	E308287-044	RATING LABEL	1		U

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	-	E308287-044	RATING LABEL	1		UT
	62	E208211-001	CAM PLATE	1		
	63	E208210-001	ELEVATOR BASE	1		
	64	E75950-003	DRIVE BELT	1		
	65	E408395-001	PROTECTOR COVER	1		BS
	66	E309047-002	PUSH BUTTON	1	10 KEY	
	67	SBSF2608M	TAPPING SCREW	2		U
		SBSF2608M	TAPPING SCREW	2		UT
	68	EWT021-031	TERMINAL WIRE	1		
	69	VKZ4150-001	NUT	1		
	-	E61029-005	NUMBER LABEL	1		
	-	E70891-001	CLASS 1 LABEL	1		
	-	QZL1007-001	BEAB LABEL	1		BS
	-	QZL1031-101	LABEL	1		EF
	-	E70028-001	APPROVAL LABEL	1		EN
	-	E70419-003F	MARK LABEL	1		G
	-	E75139-001	NAME LABEL	1		
	-	E75139-004	NAME LABEL	1		U
	-	E75139-004	NAME LABEL	1		UT

⚠ : Safety Parts

The Marks for Designated Areas

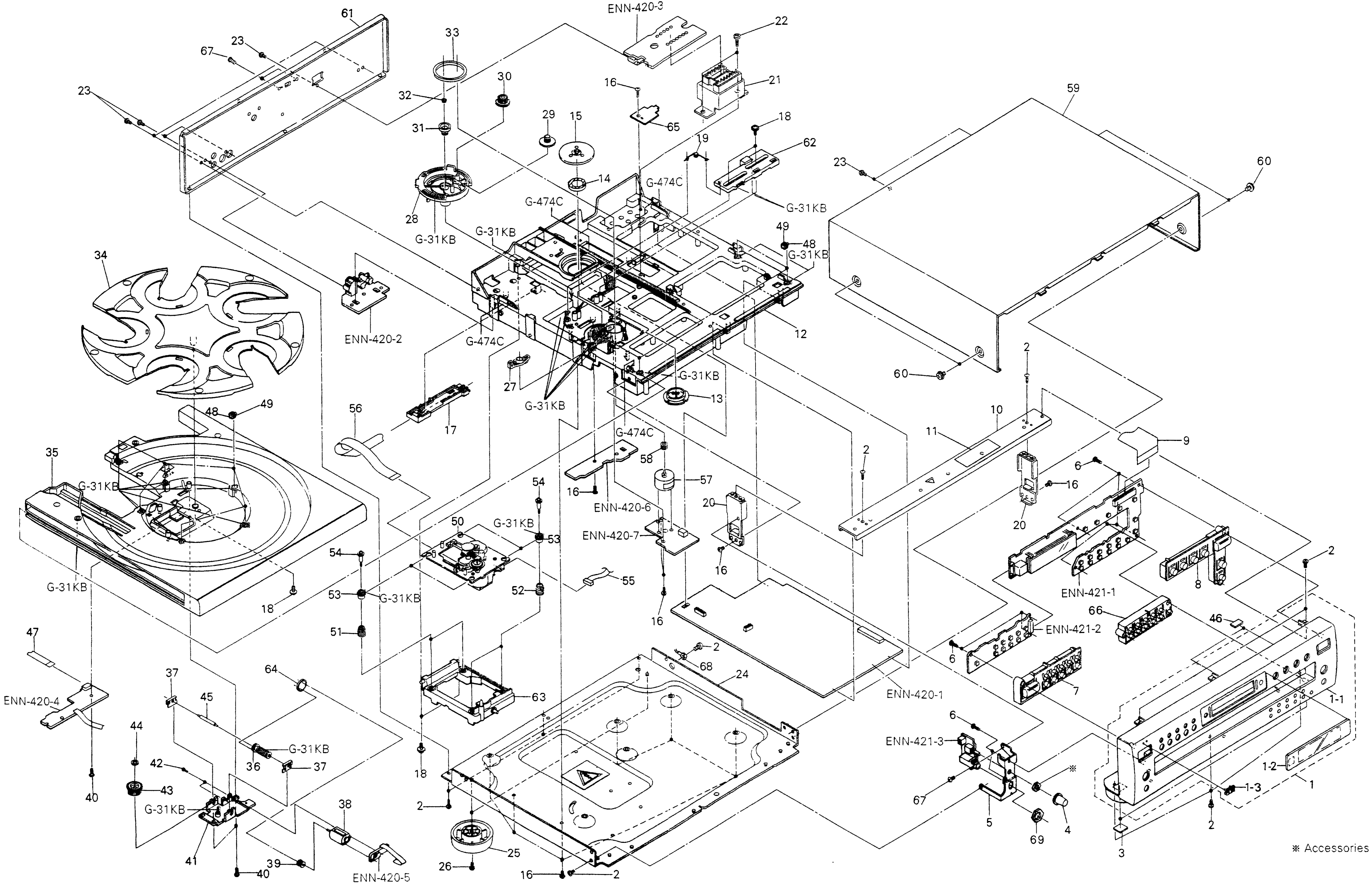
BS	the U.K.	EF	Continental Europe	EN	Scandinavia
G	Germany	U	Universal Type	UT	Taiwan

No mark indicates all area.

General Exploded View and Parts List

■ Grease Point

Symbol No. M 13 M M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ENN-420-2
G-474C
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G-31KB
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ENN-420-6
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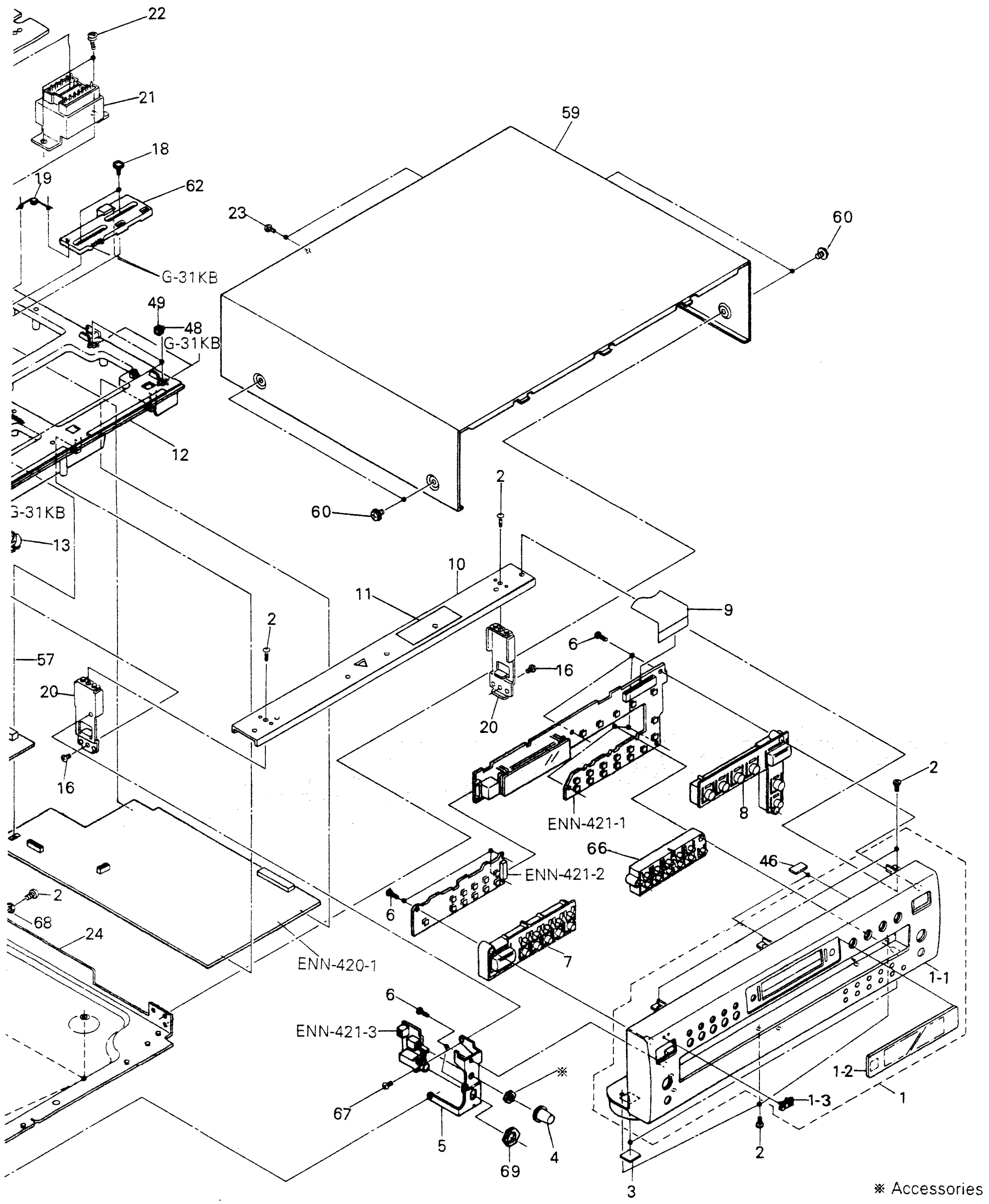
※ Accessories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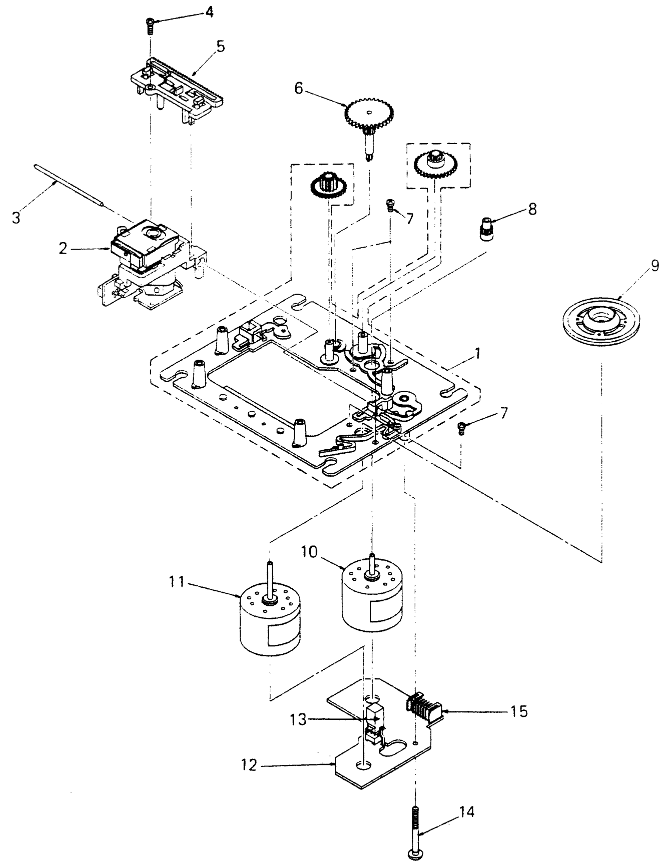
※ Accessories

CD Mechanism Ass'y and Parts List

Symbol No. M 14 M M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Symbol No. M 14 M M

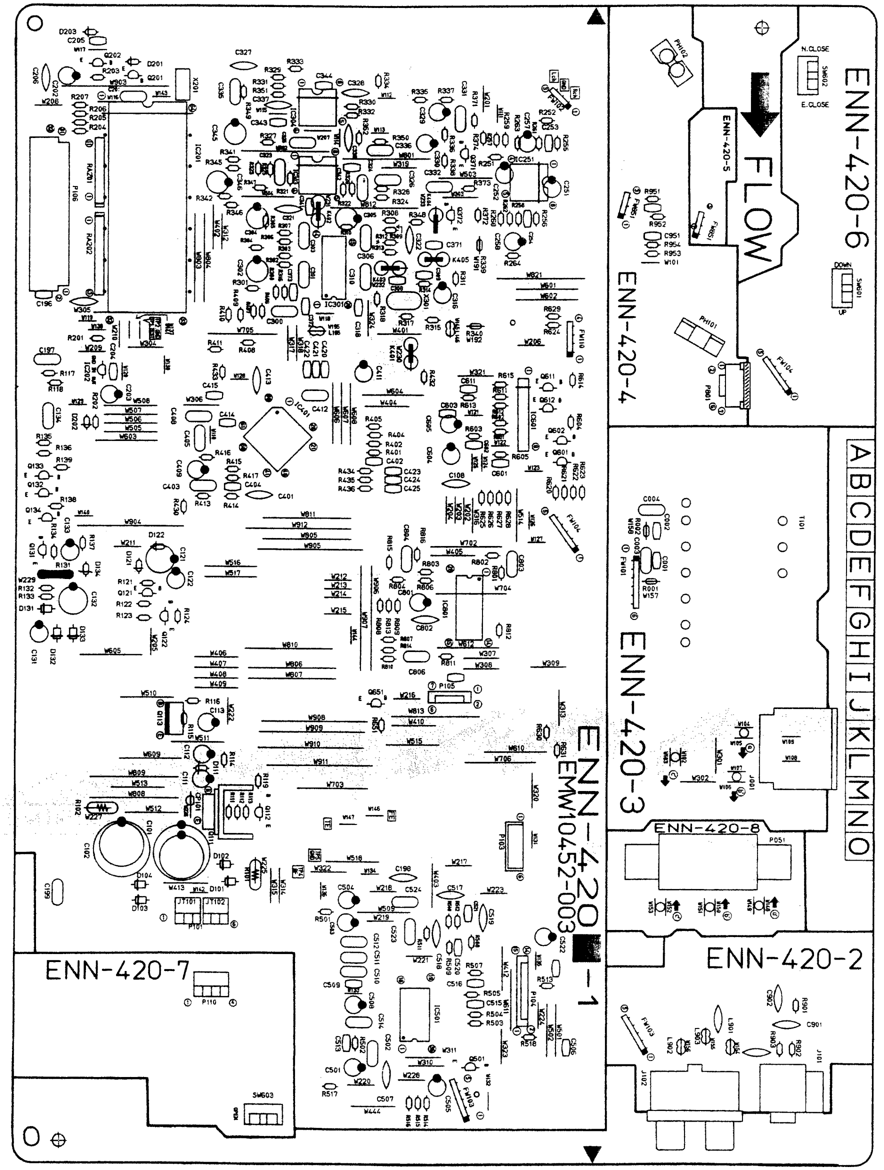
■ Parts List (CD Mechanism Ass'y)

Item	Part Number	Part Name	Q'ty	Description	Areas
1	EPB-002A	Base Ass'y	1		
2	OPTIMA-6S	Pick up	1		
3	E406777-001	Shaft	1		
4	SDSF2006Z	Screw	1		
5	E307746-001	Rack	1		
6	EPB-003A	Gear 3	1		
7	SDSP2003N	Screw	4		
8	E406750-001	Pinion Gear	1		
9	E75807-301	Turn Table Ass'y	1		
10	E406784-001	Feed Motor	1		
11	E406783-001	Spindle Motor	1		
12	EMW10190-001 (S)	Circuit Board	1		
13	ESB1100-005	Leaf Switch	1		
14	E75832-001	Special Screw	1		
15	EMV5109-006B	6P Plug Ass'y	1		

Printed Circuit Board Ass'y and Parts List

■ ENN-420☐ Main PC Board Assy

Note : ENN-420☐ varies according to the areas employed. See note (1) when placing an order.



Note (1)

PC Board Ass'y	Version	Designated Areas
ENN-420 C	EF EN	Continental Europe Scandinavia
ENN-420 D	G	Germany
ENN-420 E BS	BS	the U.K.
ENN-420 F	U UT	Universal Type Taiwan

Transistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q111	2SB1565(E,F)	SI.TRANSIST ROHM	
	Q112	2SD1302	SI.TRANSIST MATSUSHITA	
	Q113	2SB1357(E,F)	SI.TRANSIST ROHM	
	Q121	2SA933S(RS)	SI.TRANSIST	
	Q122	DTC114YS	DIGITAL TRA ROHM	
	Q131	2SA933S(RS)	SI.TRANSIST	
	Q132	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q133	2SD2144S(VW)	SI.TRANSIST ROHM	
	Q134	DTA114YS	DIGITAL TRA ROHM	
	Q201	DTA114YS	DIGITAL TRA ROHM	
	Q202	DTC144ES	DIGITAL TRA ROHM	
	Q371	2SD1302	SI.TRANSIST MATSUSHITA	
	Q372	2SD1302	SI.TRANSIST MATSUSHITA	
	Q501	2SA950(O,Y)	SI.TRANSIST TOSHIBA	
	Q601	2SC2060(Q,R)	SI.TRANSIST ROHM	
	Q602	2SA934(Q,R)	SI.TRANSIST ROHM	
	Q611	2SC2060(Q,R)	SI.TRANSIST ROHM	
	Q612	2SA934(Q,R)	SI.TRANSIST ROHM	
	Q651	2SC1740S(R,S)	SI.TRANSIST ROHM	

⚠ : SAFETY PARTS

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	BS
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	EF
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	EN
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	G
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	U
	IC201	MN171602JYK1	I.C(MICRO-C MATSUSHITA	UT
	IC202	MN1281(P,Q)	I.C(DIGI-MO MATSUSHITA	
	IC251	VC4580D	I.C(MONO-AN	BS
	IC251	VC4580D	I.C(MONO-AN	EF
	IC251	VC4580D	I.C(MONO-AN	EN
	IC251	VC4580D	I.C(MONO-AN	G
	IC251	VC4580D	I.C(MONO-AN	U
	IC251	VC4580D	I.C(MONO-AN	UT
	IC301	MN35502	I.C(DIGI-MO MATSUSHITA	
	IC304	VC4580D	I.C(MONO-AN	BS
	IC304	VC4580D	I.C(MONO-AN	EF
	IC304	VC4580D	I.C(MONO-AN	EN
	IC304	VC4580D	I.C(MONO-AN	G
	IC304	VC4580D	I.C(MONO-AN	U
	IC304	VC4580D	I.C(MONO-AN	UT
	IC401	MN662720RB	I.C(DIGI-MO MATSUSHITA	
	IC501	AN8803SB	I.C(MONO-AN MATSUSHITA	
	IC601	VC4580L	I.C(MONO-AN DAINICHI	
	IC801	BA6393FP	I.C(MONO-AN ROHM	

⚠ : SAFETY PARTS

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D101	1SR35-200A	SI.DIODE ROHM	
	D102	1SR35-200A	SI.DIODE ROHM	
	D103	1SR35-200A	SI.DIODE ROHM	
	D104	1SR35-200A	SI.DIODE ROHM	
	D111	MTZ5.6JA	ZENER DIODE ROHM	
	D121	1SS133	SI.DIODE ROHM	
	D122	1SS133	SI.DIODE ROHM	
	D131	1SR35-200A	SI.DIODE ROHM	
	D132	1SR35-200A	SI.DIODE ROHM	
	D133	1SR35-200A	SI.DIODE ROHM	
	D134	MTZ30JC	ZENER DIODE ROHM	
	D201	1SS133	SI.DIODE ROHM	
	D202	1SS133	SI.DIODE ROHM	
	D203	1SS133	SI.DIODE ROHM	BS
	D203	1SS133	SI.DIODE ROHM	EF
	D203	1SS133	SI.DIODE ROHM	EN
	D203	1SS133	SI.DIODE ROHM	G
	D203	1SS133	SI.DIODE ROHM	U
	D203	1SS133	SI.DIODE ROHM	UT

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C001	QCHB1EZ-223	0.022MF 25V CER.CAPACI	BS
	C001	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EF
	C001	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EN
	C001	QCHB1EZ-223	0.022MF 25V CER.CAPACI	U
	C001	QCHB1EZ-223	0.022MF 25V CER.CAPACI	UT
	C002	QCHB1EZ-223	0.022MF 25V CER.CAPACI	BS
	C002	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EF
	C002	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EN
	C002	QCHB1EZ-223	0.022MF 25V CER.CAPACI	U
	C002	QCHB1EZ-223	0.022MF 25V CER.CAPACI	UT
	C003	QFV81HJ-104	0.1MF 50V THIN FILM	G
	C004	QFV81HJ-104	0.1MF 50V THIN FILM	G
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	BS
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	EF
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	EN
	C101	QETB1CM-228M	2200MF 16V E.CAPACITO	G
	C101	QETB1CM-338M	3300MF 16V E.CAPACITO	U
	C101	QETB1CM-338M	3300MF 16V E.CAPACITO	UT
	C102	QETB1CM-108N	1000MF 16V E.CAPACITO	
	C108	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C111	QETB1HM-225	2.2MF 50V AL E.CAPAC	
	C112	QETB1AM-476	47MF 10V E.CAPACITO	
	C113	QETB1AM-476	47MF 10V E.CAPACITO	
	C121	QETB1CM-227	220MF 16V AL E.CAPAC	
	C122	QETB1CM-226	22MF 16V E.CAPACITO	
	C131	QETB1EM-476	47MF 25V AL E.CAPAC	
	C132	QETB1HM-476	47MF 50V E.CAPACITO	
	C133	QETB1HM-106	10MF 50V E.CAPACITO	
	C134	QFV81HJ-104	0.1MF 50V THIN FILM	
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	BS
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	EF
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	EN
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	G
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	U
	C197	QCZ0202-155	1.5MF 25V CER.RESIST	UT
	C198	QCS31HJ-101Z	100PF 50V CER.CAPACI	G
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	BS
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	EF
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	EN
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	G
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	U
	C199	QCZ0202-155	1.5MF 25V CER.RESIST	UT
	C201	QFV81HJ-224	0.22MF 50V THIN FILM	
	C202	QETB1AM-476	47MF 10V E.CAPACITO	
	C203	QETB1EM-106	10MF 25V AL E.CAPAC	
	C204	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C205	QCBB1HK-331Y	330PF 50V CER.CAPACI	
	C206	QCF31HP-102Z	1000PF 50V CER.CAPACI	BS
	C206	QCF31HP-102Z	1000PF 50V CER.CAPACI	EF
	C206	QCF31HP-102Z	1000PF 50V CER.CAPACI	EN
	C206	QCF31HP-102Z	1000PF 50V CER.CAPACI	G
	C206	QCF31HP-102Z	1000PF 50V CER.CAPACI	U
	C206	QCF31HP-102Z	1000PF 50V CER.CAPACI	UT
	C251	QETB1EM-476	47MF 25V AL E.CAPAC	
	C252	QETB1EM-476	47MF 25V AL E.CAPAC	
	C253	QCBB1HK-181Y	180PF 50V CER.CAPACI	
	C254	QCBB1HK-181Y	180PF 50V CER.CAPACI	
	C257	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C258	QETB1HM-475E	4.7MF 50V E.CAPACITO	
	C300	QCZ0202-155	1.5MF 25V CER.RESIST	
	C301	QCZ0202-155	1.5MF 25V CER.RESIST	
	C302	QETB1AM-227	220MF 10V E.CAPACITO	
	C303	QCZ0202-155	1.5MF 25V CER.RESIST	
	C304	QETB0JM-227	220MF 6.3V E.CAPACITO	
	C305	QETB0JM-227	220MF 6.3V E.CAPACITO	
	C306	QCZ0202-155	1.5MF 25V CER.RESIST	
	C308	QCT30CH-120Y	12PF 50V CER.CAPACI	
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	BS
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	EF
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	EN
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	G
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	U
	C309	QCT30CH-120Y	12PF 50V CER.CAPACI	UT
	C310	QCZ0202-155	1.5MF 25V CER.RESIST	
	C316	QETB1AM-476	47MF 10V E.CAPACITO	
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	BS
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	EF
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	EN
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	G
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	U
	C321	QCS31HJ-221Z	220PF 50V CER.CAPACI	UT
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	BS
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	EF
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	EN
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	G
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	U
	C322	QCS31HJ-221Z	220PF 50V CER.CAPACI	UT
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	BS
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EF
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EN
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	G
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	U
	C325	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	UT
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	BS
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EF

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EN
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	G
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	U
	C326	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	UT
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	BS
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	EF
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	EN
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	G
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	U
	C327	QCS31HJ-101Z	100PF 50V CER.CAPACI	UT
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	BS
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	EF
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	EN
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	G
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	U
	C328	QCS31HJ-101Z	100PF 50V CER.CAPACI	UT
	C329	QETB1EM-476	47MF 25V AL E.CAPAC	
	C330	QETB1EM-476	47MF 25V AL E.CAPAC	
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	BS
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	EF
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	EN
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	G
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	U
	C331	QFN81HJ-102	1000PF 50V METAL.MYLA	UT
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	BS
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	EF
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	EN
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	G
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	U
	C332	QFN81HJ-102	1000PF 50V METAL.MYLA	UT
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	BS
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EF
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EN
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	G
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	U
	C335	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	UT
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	BS
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EF
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	EN
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	G
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	U
	C336	QFN31HJ-122Z	1200PF 50V MYLAR CAPA	UT
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	BS
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	EF
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	EN
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	G
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	U
	C337	QCS31HJ-101Z	100PF 50V CER.CAPACI	UT
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	BS
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	EF
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	EN
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	G
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	U
	C338	QCS31HJ-101Z	100PF 50V CER.CAPACI	UT
	C343	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C344	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C345	QETB1EM-476	47MF 25V AL E.CAPAC	
	C346	QETB1EM-476	47MF 25V AL E.CAPAC	
	C371	QCSB1HJ-330Y	33PF 50V CER.CAPACI	G
	C372	QCSB1HJ-100Y	10PF 50V CER.CAPACI	BS
	C372	QCSB1HJ-100Y	10PF 50V CER.CAPACI	EF
	C372	QCSB1HJ-100Y	10PF 50V CER.CAPACI	EN
	C372	QCSB1HJ-100Y	10PF 50V CER.CAPACI	G
	C372	QCSB1HJ-100Y	10PF 50V CER.CAPACI	U
	C372	QCSB1HJ-100Y	10PF 50V CER.CAPACI	UT
	C373	QCSB1HJ-150YM	15PF 50V CERAMIC	G
	C401	QCS31HJ-471Z	470PF 50V CER.CAPACI	
	C402	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C403	QFN81HJ-223	0.022MF 50V METAL.MYLA	
	C404	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C405	QFV71HJ-334ZM	0.33MF 50V THIN FILM	
	C408	QFV81HJ-104	0.1MF 50V THIN FILM	
	C409	QETB1AM-476	47MF 10V E.CAPACITO	
	C411	QETB1AM-476	47MF 10V E.CAPACITO	
	C412	QFV81HJ-104	0.1MF 50V THIN FILM	
	C413	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C414	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C415	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C501	QETB1AM-107	100MF 10V AL E.CAPAC	
	C502	QFV81HJ-104	0.1MF 50V THIN FILM	
	C503	QETB1AM-476	47MF 10V E.CAPACITO	
	C504	QETB1AM-107	100MF 10V AL E.CAPAC	
	C505	QER51EM-106	10MF 25V E.CAPACITO	BS
	C505	QER51EM-106	10MF 25V E.CAPACITO	EF
	C505	QER51EM-106	10MF 25V E.CAPACITO	EN
	C505	QER51EM-106	10MF 25V E.CAPACITO	G
	C505	QER51EM-106	10MF 25V E.CAPACITO	U
	C505	QER51EM-106	10MF 25V E.CAPACITO	UT
	C506	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C507	QCS31HJ-680Z	68PF 50V CER.CAPACI	
	C508	QETB1HM-105	1MF 50V AL E.CAPAC	
	C509	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C510	QFV81HJ-273	0.027MF 50V THIN FILM	
	C511	QFN81HJ-472	4700PF 50V MYLAR CAPA	
	C512	QFN81HJ-332	3300PF 50V METAL.MYLA	

⚠ SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C513	QCT30CH-3R3Y	3.3PF 50V CER.CAPACI	
	C514	QFV81HJ-104	0.1MF 50V THIN FILM	
	C515	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C516	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C517	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C518	QCF21HP-222	2200PF 50V CER.CAPACI	
	C519	QCS31HJ-271Z	270PF 50V CER.CAPACI	
	C520	QCSB1HJ-680	68PF 50V CER.CAPACI	
	C521	QCGB1HK-821	820PF 50V CER.CAPACI	
	C522	QETB1AM-476	47MF 10V E.CAPACITO	
	C523	QFV81HJ-104	0.1MF 50V THIN FILM	
	C524	QFV81HJ-104	0.1MF 50V THIN FILM	
	C601	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C602	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C603	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C604	QETB1CM-476	47MF 16V AL E.CAPAC	
	C605	QETB1CM-476	47MF 16V AL E.CAPAC	
	C611	QCBB1HK-101Y	100PF 50V CER.CAPACI	
	C801	QEK51CM-107	100MF 16V E.CAPACITO	
	C802	QCF21HP-223A	0.022MF 50V CER.CAPACI	
	C803	QFN81HJ-273	0.027MF 50V METAL.MYLA	
	C804	QFN81HJ-183	0.018MF 50V METAL.MYLA	
	C806	QFV81HJ-273	0.027MF 50V THIN FILM	
	C901	QCS31HJ-101Z	100PF 50V CER.CAPACI	
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	BS
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EF
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	EN
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	G
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	U
	C951	QCHB1EZ-223	0.022MF 25V CER.CAPACI	UT

⚠ SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
⚠	R101	PTH61G30BD2R2N	FUSIBLE RE	BS
⚠	R101	PTH61G30BD2R2N	FUSIBLE RE	EF
⚠	R101	PTH61G30BD2R2N	FUSIBLE RE	EN
⚠	R101	PTH61G30BD2R2N	FUSIBLE RE	G
⚠	R101	PTH61G30BD2R2N	FUSIBLE RE	U
⚠	R101	PTH61G30BD2R2N	FUSIBLE RE	UT
⚠	R102	PTH61G30BD2R2N	FUSIBLE RE	BS
⚠	R102	PTH61G30BD2R2N	FUSIBLE RE	EF
⚠	R102	PTH61G30BD2R2N	FUSIBLE RE	EN
⚠	R102	PTH61G30BD2R2N	FUSIBLE RE	G
⚠	R102	PTH61G30BD2R2N	FUSIBLE RE	U
⚠	R102	PTH61G30BD2R2N	FUSIBLE RE	UT
	R111	QRD161J-222	2.2K 1/6W CARBON RES	
	R112	QRD161J-221	220 1/6W CARBON RES	
	R113	QRD161J-221	220 1/6W CARBON RES	
	R114	QRD161J-102	1K 1/6W CARBON RES	
	R114	QRD161J-202	2K 1/6W CARBON RES	BS
	R114	QRD161J-202	2K 1/6W CARBON RES	EF
	R114	QRD161J-202	2K 1/6W CARBON RES	EN
	R114	QRD161J-202	2K 1/6W CARBON RES	G
	R114	QRD161J-202	2K 1/6W CARBON RES	U
	R114	QRD161J-202	2K 1/6W CARBON RES	UT
	R115	QRD161J-102	1K 1/6W CARBON RES	
	R116	QRD161J-821	820 1/6W CARBON RES	
	R117	QRD167J-1R5	1.5 1/6W CARBON RES	
	R118	QRD167J-1R5	1.5 1/6W CARBON RES	
	R119	QRD161J-202	2K 1/6W CARBON RES	BS
	R119	QRD161J-202	2K 1/6W CARBON RES	EF
	R119	QRD161J-202	2K 1/6W CARBON RES	EN
	R119	QRD161J-202	2K 1/6W CARBON RES	G
	R119	QRD161J-202	2K 1/6W CARBON RES	U
	R119	QRD161J-202	2K 1/6W CARBON RES	UT
	R121	QRD161J-331	330 1/6W CARBON RES	
	R122	QRD167J-822	8.2K 1/6W CARBON RES	
	R123	QRD161J-683	68K 1/6W CARBON RES	
	R124	QRD161J-221	220 1/6W CARBON RES	
⚠	R131	QRZ0077-560	56 1/4W FUSIBLE RE	BS
⚠	R131	QRZ0077-560	56 1/4W FUSIBLE RE	EF
⚠	R131	QRZ0077-560	56 1/4W FUSIBLE RE	EN
⚠	R131	QRZ0077-560	56 1/4W FUSIBLE RE	G
⚠	R131	QRZ0077-560	56 1/4W FUSIBLE RE	U
⚠	R131	QRZ0077-560	56 1/4W FUSIBLE RE	UT
	R132	QRD161J-362	3.6K 1/6W CARBON RES	
	R133	QRD161J-362	3.6K 1/6W CARBON RES	
	R134	QRD167J-121	120 1/6W CARBON RES	
	R135	QRD161J-911	910 1/6W CARBON RES	
	R136	QRD161J-911	910 1/6W CARBON RES	
	R137	QRD161J-103	10K 1/6W CARBON RES	
	R138	QRD161J-103	10K 1/6W CARBON RES	
	R139	QRD161J-103	10K 1/6W CARBON RES	
	R201	QRD161J-103	10K 1/6W CARBON RES	
	R202	QRD161J-102	1K 1/6W CARBON RES	
	R203	QRD161J-472	4.7K 1/6W CARBON RES	
	R204	QRD161J-103	10K 1/6W CARBON RES	
	R205	QRD161J-103	10K 1/6W CARBON RES	
	R206	QRD161J-103	10K 1/6W CARBON RES	
	R207	QRD161J-103	10K 1/6W CARBON RES	
	R251	QRD161J-221	220 1/6W CARBON RES	
	R252	QRD161J-221	220 1/6W CARBON RES	
	R255	QRD167J-153	15K 1/6W CARBON RES	
	R256	QRD167J-153	15K 1/6W CARBON RES	
	R257	QRD161J-273	27K 1/6W CARBON RES	

⚠ SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R258	QRD161J-273	27K 1/6W CARBON RES	
	R259	QRD161J-473	47K 1/6W CARBON RES	
	R260	QRD161J-473	47K 1/6W CARBON RES	
	R261	QRD161J-103	10K 1/6W CARBON RES	
	R262	QRD161J-103	10K 1/6W CARBON RES	
	R263	QRD161J-561	560 1/6W CARBON RES	
	R264	QRD161J-561	560 1/6W CARBON RES	
	R300	QRD167J-680	68 1/6W CARBON RES	BS
	R300	QRD167J-680	68 1/6W CARBON RES	EF
	R300	QRD167J-680	68 1/6W CARBON RES	EN
	R300	QRD167J-680	68 1/6W CARBON RES	G
	R300	QRD167J-680	68 1/6W CARBON RES	U
	R300	QRD167J-680	68 1/6W CARBON RES	UT
	R301	QRD167J-680	68 1/6W CARBON RES	BS
	R301	QRD167J-680	68 1/6W CARBON RES	EF
	R301	QRD167J-680	68 1/6W CARBON RES	EN
	R301	QRD167J-680	68 1/6W CARBON RES	G
	R301	QRD167J-680	68 1/6W CARBON RES	U
	R301	QRD167J-680	68 1/6W CARBON RES	UT
	R302	QRD161J-363	36K 1/6W CARBON RES	BS
	R302	QRD161J-363	36K 1/6W CARBON RES	EF
	R302	QRD161J-363	36K 1/6W CARBON RES	EN
	R302	QRD161J-363	36K 1/6W CARBON RES	G
	R302	QRD161J-363	36K 1/6W CARBON RES	U
	R302	QRD161J-363	36K 1/6W CARBON RES	UT
	R303	QRD161J-363	36K 1/6W CARBON RES	BS
	R303	QRD161J-363	36K 1/6W CARBON RES	EF
	R303	QRD161J-363	36K 1/6W CARBON RES	EN
	R303	QRD161J-363	36K 1/6W CARBON RES	G
	R303	QRD161J-363	36K 1/6W CARBON RES	U
	R303	QRD161J-363	36K 1/6W CARBON RES	UT
	R304	QRD161J-271	270 1/6W CARBON RES	BS
	R304	QRD161J-271	270 1/6W CARBON RES	EF
	R304	QRD161J-271	270 1/6W CARBON RES	EN
	R304	QRD161J-271	270 1/6W CARBON RES	G
	R304	QRD161J-271	270 1/6W CARBON RES	U
	R304	QRD161J-271	270 1/6W CARBON RES	UT
	R305	QRD161J-182	1.8K 1/6W CARBON RES	
	R306	QRD161J-363	36K 1/6W CARBON RES	BS
	R306	QRD161J-363	36K 1/6W CARBON RES	EF
	R306	QRD161J-363	36K 1/6W CARBON RES	EN
	R306	QRD161J-363	36K 1/6W CARBON RES	G
	R306	QRD161J-363	36K 1/6W CARBON RES	U
	R306	QRD161J-363	36K 1/6W CARBON RES	UT
	R307	QRD161J-363	36K 1/6W CARBON RES	BS
	R307	QRD161J-363	36K 1/6W CARBON RES	EF
	R307	QRD161J-363	36K 1/6W CARBON RES	EN
	R307	QRD161J-363	36K 1/6W CARBON RES	G
	R307	QRD161J-363	36K 1/6W CARBON RES	U
	R307	QRD161J-363	36K 1/6W CARBON RES	UT
	R308	QRD161J-363	36K 1/6W CARBON RES	BS
	R308	QRD161J-363	36K 1/6W CARBON RES	EF
	R308	QRD161J-363	36K 1/6W CARBON RES	EN
	R308	QRD161J-363	36K 1/6W CARBON RES	G
	R308	QRD161J-363	36K 1/6W CARBON RES	U
	R308	QRD161J-363	36K 1/6W CARBON RES	UT
	R309	QRD161J-363	36K 1/6W CARBON RES	BS
	R309	QRD161J-363	36K 1/6W CARBON RES	EF
	R309	QRD161J-363	36K 1/6W CARBON RES	EN
	R309	QRD161J-363	36K 1/6W CARBON RES	G
	R309	QRD161J-363	36K 1/6W CARBON RES	U
	R309	QRD161J-363	36K 1/6W CARBON RES	UT
	R310	QRD161J-182	1.8K 1/6W CARBON RES	
	R311	QRD161J-271	270 1/6W CARBON RES	BS
	R311	QRD161J-271	270 1/6W CARBON RES	EF
	R311	QRD161J-271	270 1/6W CARBON RES	EN
	R311	QRD161J-271	270 1/6W CARBON RES	G
	R311	QRD161J-271	270 1/6W CARBON RES	U
	R311	QRD161J-271	270 1/6W CARBON RES	UT
	R312	QRD161J-363	36K 1/6W CARBON RES	BS
	R312	QRD161J-363	36K 1/6W CARBON RES	EF
	R312	QRD161J-363	36K 1/6W CARBON RES	EN
	R312	QRD161J-363	36K 1/6W CARBON RES	G
	R312	QRD161J-363	36K 1/6W CARBON RES	U
	R312	QRD161J-363	36K 1/6W CARBON RES	UT
	R313	QRD161J-363	36K 1/6W CARBON RES	BS
	R313	QRD161J-363	36K 1/6W CARBON RES	EF
	R313	QRD161J-363	36K 1/6W CARBON RES	EN
	R313	QRD161J-363	36K 1/6W CARBON RES	G
	R313	QRD161J-363	36K 1/6W CARBON RES	U
	R313	QRD161J-363	36K 1/6W CARBON RES	UT
	R314	QRD161J-271	270 1/6W CARBON RES	
	R315	QRD161J-271	270 1/6W CARBON RES	BS
	R315	QRD161J-271	270 1/6W CARBON RES	EF
	R315	QRD161J-271	270 1/6W CARBON RES	EN
	R315	QRD161J-271	270 1/6W CARBON RES	G
	R315	QRD161J-271	270 1/6W CARBON RES	U
	R315	QRD161J-271	270 1/6W CARBON RES	UT
	R316	QRD161J-271	270 1/6W CARBON RES	
	R317	QRD167J-155	1.5M 1/6W CARBON RES	
	R318	QRD161J-102	1K 1/6W CARBON RES	
	R323	QRD167J-153	15K 1/6W CARBON RES	BS
	R323	QRD167J-153	15K 1/6W CARBON RES	EF
	R323	QRD167J-153	15K 1/6W CARBON RES	EN
	R323	QRD167J-153	15K 1/6W CARBON RES	G
	R323	QRD167J-153	15K 1/6W CARBON RES	U
	R323	QRD167J-153	15K 1/6W CARBON RES	UT
	R324	QRD167J-153	15K 1/6W CARBON RES	BS

⚠ SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R324	QRD167J-153	15K 1/6W CARBON RES	EF
	R324	QRD167J-153	15K 1/6W CARBON RES	EN
	R324	QRD167J-153	15K 1/6W CARBON RES	G
	R324	QRD167J-153	15K 1/6W CARBON RES	U
	R324	QRD167J-153	15K 1/6W CARBON RES	UT
	R329	QRD161J-333	33K 1/6W CARBON RES	BS
	R329	QRD161J-333	33K 1/6W CARBON RES	EF
	R329	QRD161J-333	33K 1/6W CARBON RES	EN
	R329	QRD161J-333	33K 1/6W CARBON RES	G
	R329	QRD161J-333	33K 1/6W CARBON RES	U
	R329	QRD161J-333	33K 1/6W CARBON RES	UT
	R330	QRD161J-333	33K 1/6W CARBON RES	BS
	R330	QRD161J-333	33K 1/6W CARBON RES	EF
	R330	QRD161J-333	33K 1/6W CARBON RES	EN
	R330	QRD161J-333	33K 1/6W CARBON RES	G
	R330	QRD161J-333	33K 1/6W CARBON RES	U
	R330	QRD161J-333	33K 1/6W CARBON RES	UT
	R331	QRD161J-362	3.6K 1/6W CARBON RES	BS
	R331	QRD161J-362	3.6K 1/6W CARBON RES	EF
	R331	QRD161J-362	3.6K 1/6W CARBON RES	EN
	R331	QRD161J-362	3.6K 1/6W CARBON RES	G
	R331	QRD161J-362	3.6K 1/6W CARBON RES	U
	R331	QRD161J-362	3.6K 1/6W CARBON RES	UT
	R332	QRD161J-362	3.6K 1/6W CARBON RES	BS
	R332	QRD161J-362	3.6K 1/6W CARBON RES	EF
	R332	QRD161J-362	3.6K 1/6W CARBON RES	EN
	R332	QRD161J-362	3.6K 1/6W CARBON RES	G
	R332	QRD161J-362	3.6K 1/6W CARBON RES	U
	R332	QRD161J-362	3.6K 1/6W CARBON RES	UT
	R333	QRD161J-183	18K 1/6W CARBON RES	
	R334	QRD161J-183	18K 1/6W CARBON RES	
	R335	QRD161J-273	27K 1/6W CARBON RES	
	R336	QRD161J-273	27K 1/6W CARBON RES	
	R337	QRD167J-431	430 1/6W CARBON RES	
	R338	QRD167J-431	430 1/6W CARBON RES	
	R341	QRD161J-221	220 1/6W CARBON RES	
	R342	QRD161J-221	220 1/6W CARBON RES	
	R345	QRD161J-221	220 1/6W CARBON RES	
	R346	QRD161J-221	220 1/6W CARBON RES	
	R347	QRD167J-153	15K 1/6W CARBON RES	BS
	R347	QRD167J-153	15K 1/6W CARBON RES	EF
	R347	QRD167J-153	15K 1/6W CARBON RES	EN
	R347	QRD167J-153	15K 1/6W CARBON RES	G
	R347	QRD167J-153	15K 1/6W CARBON RES	U
	R347	QRD167J-153	15K 1/6W CARBON RES	UT
	R348	QRD167J-153	15K 1/6W CARBON RES	BS
	R348	QRD167J-153	15K 1/6W CARBON RES	EF
	R348	QRD167J-153	15K 1/6W CARBON RES	EN
	R348	QRD167J-153	15K 1/6W CARBON RES	G
	R348	QRD167J-153	15K 1/6W CARBON RES	U
	R348	QRD167J-153	15K 1/6W CARBON RES	UT
	R349	QRD161J-333	33K 1/6W CARBON RES	BS
	R349	QRD161J-333	33K 1/6W CARBON RES	EF
	R349	QRD161J-333	33K 1/6W CARBON RES	EN
	R349	QRD161J-333	33K 1/6W CARBON RES	G
	R349	QRD161J-333	33K 1/6W CARBON RES	U
	R349	QRD161J-333	33K 1/6W CARBON RES	UT
	R350	QRD161J-333	33K 1/6W CARBON RES	BS
	R350	QRD161J-333	33K 1/6W CARBON RES	EF
	R350	QRD161J-333	33K 1/6W CARBON RES	EN
	R350	QRD161J-333	33K 1/6W CARBON RES	G
	R350	QRD161J-333	33K 1/6W CARBON RES	U
	R350	QRD161J-333	33K 1/6W CARBON RES	UT
	R351	QRD161J-362	3.6K 1/6W CARBON RES	BS
	R351	QRD161J-362	3.6K 1/6W CARBON RES	EF
	R351	QRD161J-362	3.6K 1/6W CARBON RES	EN
	R351	QRD161J-362	3.6K 1/6W CARBON RES	G
	R351	QRD161J-362	3.6K 1/6W CARBON RES	U
	R351	QRD161J-362	3.6K 1/6W CARBON RES	UT
	R352	QRD161J-362	3.6K 1/6W CARBON RES	BS
	R352	QRD161J-362	3.6K 1/6W CARBON RES	EF
	R352	QRD161J-362	3.6K 1/6W CARBON RES	EN
	R352	QRD161J-362	3.6K 1/6W CARBON RES	G
	R352	QRD161J-362	3.6K 1/6W CARBON RES	U
	R352	QRD161J-362	3.6K 1/6W CARBON RES	UT
	R371	QRD161J-103	10K 1/6W CARBON RES	
	R372	QRD161J-103	10K 1/6W CARBON RES	
	R373	QRD161J-684	680K 1/6W CARBON RES	
	R374	QRD161J-473	47K 1/6W CARBON RES	
	R401	QRD161J-102	1K 1/6W CARBON RES	
	R402	QRD161J-102	1K 1/6W CARBON RES	
	R404	QRD161J-102	1K 1/6W CARBON RES	
	R405	QRD161J-102	1K 1/6W CARBON RES	
	R406	QRD161J-102	1K 1/6W CARBON RES	
	R407	QRD161J-102	1K 1/6W CARBON RES	
	R408	QRD161J-102	1K 1/6W CARBON RES	
	R409	QRD161J-102	1K 1/6W CARBON RES	
	R410	QRD161J-102	1K 1/6W CARBON RES	
	R411	QRD161J-102	1K 1/6W CARBON RES	
	R413	QRD167J-155	1.5M 1/6W CARBON RES	
	R414	QRD161J-104	100K 1/6W CARBON RES	
	R415	QRD161J-104	100K 1/6W CARBON RES	
	R416	QRD161J-681	680 1/6W CARBON RES	

⚠ SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R417	QRD161J-124	120K 1/6W CARBON RES	
	R430	QRD161J-2R2	2.2 1/6W CARBON RES	
	R432	QRD161J-2R2	2.2 1/6W CARBON RES	
	R433	QRD161J-102	1K 1/6W CARBON RES	
	R434	QRD161J-102	1K 1/6W CARBON RES	
	R435	QRD161J-102	1K 1/6W CARBON RES	
	R436	QRD161J-102	1K 1/6W CARBON RES	
	R501	QRD161J-471	470 1/6W CARBON RES	
	R502	QRD161J-123	12K 1/6W CARBON RES	
	R503	QRD161J-103	10K 1/6W CARBON RES	
	R504	QRD161J-103	10K 1/6W CARBON RES	
	R505	QRD167J-134	130K 1/6W CARBON RES	
	R507	QRD161J-913	91K 1/6W CARBON RES	
	R508	QRD161J-273	27K 1/6W CARBON RES	
	R509	QRD161J-683	68K 1/6W CARBON RES	
	R510	QRD167J-154	150K 1/6W CARBON RES	
	R511	QRD161J-394	390K 1/6W CARBON RES	
	R512	QRD161J-103	10K 1/6W CARBON RES	
	R513	QRD167J-121	120 1/6W CARBON RES	
	R514	QRD161J-470	47 1/6W CARBON RES	
	R515	QRD161J-470	47 1/6W CARBON RES	
	R516	QRD161J-470	47 1/6W CARBON RES	
	R517	QRD161J-2R2	2.2 1/6W CARBON RES	
	R518	QRD161J-910Y	91 1/6W CARBON RES	
	R601	QRD161J-203	20K 1/6W CARBON RES	
	R602	QRD161J-203	20K 1/6W CARBON RES	
	R603	QRD167J-153	15K 1/6W CARBON RES	
	R604	QRD167J-151	150 1/6W CARBON RES	
	R605	QRD167J-153	15K 1/6W CARBON RES	
	R611	QRD161J-183	18K 1/6W CARBON RES	
	R612	QRD161J-183	18K 1/6W CARBON RES	
	R613	QRD161J-243	24K 1/6W CARBON RES	
	R614	QRD167J-151	150 1/6W CARBON RES	
	R615	QRD161J-243	24K 1/6W CARBON RES	
	R620	QRD167J-151	150 1/6W CARBON RES	
	R621	QRD167J-151	150 1/6W CARBON RES	
	R622	QRD167J-151	150 1/6W CARBON RES	
	R623	QRD167J-151	150 1/6W CARBON RES	
	R624	QRD167J-151	150 1/6W CARBON RES	
	R625	QRD167J-562	5.6K 1/6W CARBON RES	
	R626	QRD167J-562	5.6K 1/6W CARBON RES	
	R627	QRD167J-562	5.6K 1/6W CARBON RES	
	R628	QRD167J-562	5.6K 1/6W CARBON RES	
	R629	QRD167J-562	5.6K 1/6W CARBON RES	
	R630	QRD167J-562	5.6K 1/6W CARBON RES	
	R631	QRD167J-151	150 1/6W CARBON RES	
	R651	QRD161J-103	10K 1/6W CARBON RES	
	R801	QRD161J-821	820 1/6W CARBON RES	
	R802	QRD167J-562	5.6K 1/6W CARBON RES	
	R803	QRD161J-112	1.1K 1/6W CARBON RES	
	R804	QRD167J-113	11K 1/6W CARBON RES	
	R806	QRD161J-124	120K 1/6W CARBON RES	
	R807	QRD167J-332	3.3K 1/6W CARBON RES	
	R808	QRD161J-752	7.5K 1/6W CARBON RES	
	R809	QRD167J-223	22K 1/6W CARBON RES	
	R810	QRD161J-472	4.7K 1/6W CARBON RES	
	R811	QRD167J-153	15K 1/6W CARBON RES	
	R812	QRD161J-752	7.5K 1/6W CARBON RES	
	R813	QRD167J-751	750 1/6W CARBON RES	
	R814	QRD167J-433	43K 1/6W CARBON RES	BS
	R814	QRD167J-433	43K 1/6W CARBON RES	EF
	R814	QRD167J-433	43K 1/6W CARBON RES	EN
	R814	QRD167J-433	43K 1/6W CARBON RES	G
	R814	QRD167J-433	43K 1/6W CARBON RES	U
	R814	QRD167J-433	43K 1/6W CARBON RES	UT
	R816	QRD167J-562	5.6K 1/6W CARBON RES	
	R901	QRD161J-221	220 1/6W CARBON RES	
	R902	QRD161J-221	220 1/6W CARBON RES	
	R903	QRD161J-101	100 1/6W CARBON RES	
	R951	QRD161J-331	330 1/6W CARBON RES	BS
	R951	QRD161J-331	330 1/6W CARBON RES	EF
	R951	QRD161J-331	330 1/6W CARBON RES	EN
	R951	QRD161J-331	330 1/6W CARBON RES	G
	R951	QRD161J-331	330 1/6W CARBON RES	U
	R951	QRD161J-331	330 1/6W CARBON RES	UT
	R952	QRD161J-123	12K 1/6W CARBON RES	BS
	R952	QRD161J-123	12K 1/6W CARBON RES	EF
	R952	QRD161J-123	12K 1/6W CARBON RES	EN
	R952	QRD161J-123	12K 1/6W CARBON RES	G
	R952	QRD161J-123	12K 1/6W CARBON RES	U
	R952	QRD161J-123	12K 1/6W CARBON RES	UT
	R953	QRD161J-331	330 1/6W CARBON RES	BS
	R953	QRD161J-331	330 1/6W CARBON RES	EF
	R953	QRD161J-331	330 1/6W CARBON RES	EN
	R953	QRD161J-331	330 1/6W CARBON RES	G
	R953	QRD161J-331	330 1/6W CARBON RES	U
	R953	QRD161J-331	330 1/6W CARBON RES	UT
	R954	QRD161J-472	4.7K 1/6W CARBON RES	BS
	R954	QRD161J-472	4.7K 1/6W CARBON RES	EF
	R954	QRD161J-472	4.7K 1/6W CARBON RES	EN
	R954	QRD161J-472	4.7K 1/6W CARBON RES	G
	R954	QRD161J-472	4.7K 1/6W CARBON RES	U
	R954	QRD161J-472	4.7K 1/6W CARBON RES	UT
	RA201	QRB109J-104	100K 1/10W NETWORK RE	
	RA202	QRB129J-104	100K 1/10W NETWORK RE	

⚠ : SAFETY PARTS

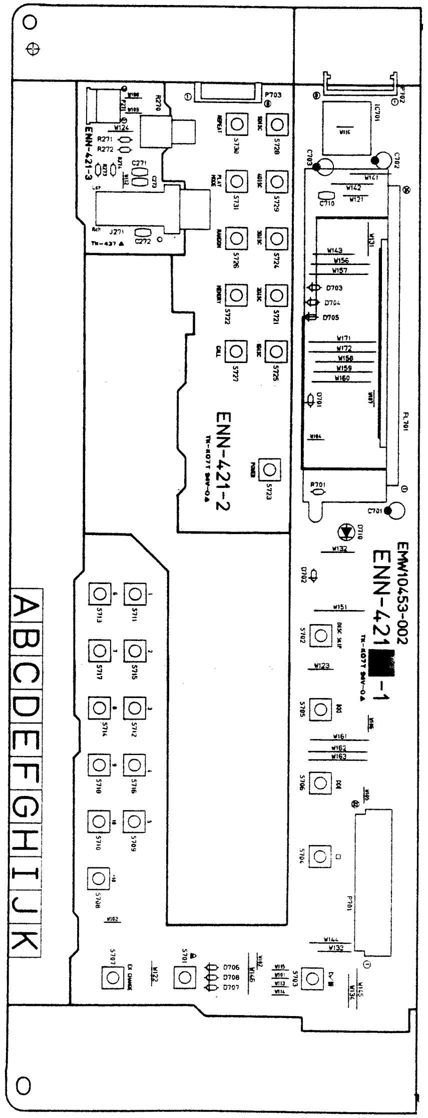
Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E70306-001	HEAT SINK	
		SBSE3008Z	SCREW	
		VYH7653-002	I.C.SOCKET	
		QWE881-12RR	VINYL WIRE	U
		QWE888-12RR	VINYL WIRE	U
		QWE886-12RR	VINYL WIRE	U
		QWE881-12RR	VINYL WIRE	UT
		QWE888-12RR	VINYL WIRE	UT
		QWE886-12RR	VINYL WIRE	UT
	J001	QMCB001-E02HBS	AC SOCKET	BS
	J001	QMCB001-E02H	AC SOCKET	EF
	J001	QMCB001-E02H	AC SOCKET	EN
	J001	QMCB001-E02H	AC SOCKET	G
	J001	QMCB001-E02H	AC SOCKET	U
	J001	QMCB001-E02H	AC SOCKET	UT
	J101	QMS3501-020	PIN JACK	BS
	J101	QMS3501-020	PIN JACK	EF
	J101	QMS3501-020	PIN JACK	EN
	J101	QMS3501-020	PIN JACK	G
	J101	QMS3501-020	PIN JACK	U
	J101	QMS3501-020	PIN JACK	UT
	J102	EMN00YV-210A	PIN JACK	BS
	J102	EMN00YV-210A	PIN JACK	EF
	J102	EMN00YV-210A	PIN JACK	EN
	J102	EMN00YV-210A	PIN JACK	G
	J102	EMN00YV-210A	PIN JACK	U
	J102	EMN00YV-210A	PIN JACK	UT
	K401	ENZ8101-007	INDUCTOR	BS
	K401	ENZ8101-007	INDUCTOR	EF
	K401	ENZ8101-007	INDUCTOR	EN
	K401	ENZ8101-007	INDUCTOR	U
	K401	ENZ8101-007	INDUCTOR	UT
	K402	ENZ8101-007	INDUCTOR	BS
	K402	ENZ8101-007	INDUCTOR	EF
	K402	ENZ8101-007	INDUCTOR	EN
	K402	ENZ8101-007	INDUCTOR	U
	K402	ENZ8101-007	INDUCTOR	UT
	K404	ENZ8101-008	INDUCTOR	G
	K405	ENZ8101-007	INDUCTOR	G
	L146	EQL4004-100	INDUCTOR	G
	L195	EQL4004-100	INDUCTOR	G
	P051	QSS1L22-E01	SLIDE SWITC	U
	P051	QSS1L22-E01	SLIDE SWITC	UT
	P103	EMV5109-006A	CONNECT TER	
	P104	EMV7144-015	F.P.C.PLUG	
	P105	EMV7144-007	CONNECT TER	
	P106	EMV7123-032R	CONNECT TER	
	P110	EMV7122-004	CONNECT TER	
	P801	EMV7144-007R	CONNECT TER	
	X201	ECX0060-000EM	CERAMIC RES	
	X301	VCX5016-934V	CRYSTAL	BS
	X301	VCX5016-934V	CRYSTAL	EF
	X301	VCX5016-934V	CRYSTAL	EN
	X301	VCX5016-934V	CRYSTAL	G
	X301	VCX5016-934V	CRYSTAL	U
	X301	VCX5016-934V	CRYSTAL	UT
⚠	CP101	ICP-N10	I.C.PROTECT	BS
⚠	CP101	ICP-N10	I.C.PROTECT	EF
⚠	CP101	ICP-N10	I.C.PROTECT	EN
⚠	CP101	ICP-N10	I.C.PROTECT	G
⚠	CP101	ICP-N10	I.C.PROTECT	U
⚠	CP101	ICP-N10	I.C.PROTECT	UT
	FW101	EWR36B-13LST	FLAT WIRE A	
	FW102	EWR33B-30LST	FLAT WIRE A	
	FW103	EWR35B-25SST	FLAT WIRE A	
	FW104	EWR35B-13SST	FLAT WIRE A	
	FW110	EWR34B-16LST	FLAT WIRE A	
	FW851	EWR33B-10SST	FLAT WIRE A	
	JT101	EMV7122-103	CONNECT TER	
	JT102	EMV7122-103	CONNECT TER	
	PH101	GP1A52HR	PHOTO SENSO	
	PH102	GP2S28	PHOTO SENSO	
	SW601	ESS1200-002	LEVER SWITC	
	SW602	ESS1200-002	LEVER SWITC	
	SW603	ESS1200-002	LEVER SWITC	

⚠ : SAFETY PARTS

■ ENN-421 □ Display & Pin Jack PC Board Ass'y

Note : ENN-421 □ varies according to the areas employed. See note (1) when placing an order.



Note (1)

PC Board Ass'y	Version	Designated Areas
ENN-420 D	EF EN U UT	Continental Europe Scandinavia Universal Type Taiwan
ENN-420 F	G	Germany
ENN-420 H BS	BS	the U.K.

I.C.s

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC701	SPS-420-1	INFRARED DE SANYO	BS
	IC701	SPS-420-1	INFRARED DE SANYO	EF
	IC701	SPS-420-1	INFRARED DE SANYO	EN
	IC701	SPS-420-1	INFRARED DE SANYO	G
	IC701	SPS-420-1	INFRARED DE SANYO	U
	IC701	SPS-420-1	INFRARED DE SANYO	UT

⚠ : SAFETY PARTS

Diodes

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D701	1SS133	SI.DIODE ROHM	
	D702	1SS133	SI.DIODE ROHM	
	D703	1SS133	SI.DIODE ROHM	
	D704	1SS133	SI.DIODE ROHM	
	D705	1SS133	SI.DIODE ROHM	
	D706	1SS133	SI.DIODE ROHM	
	D707	1SS133	SI.DIODE ROHM	BS
	D707	1SS133	SI.DIODE ROHM	EF
	D707	1SS133	SI.DIODE ROHM	EN
	D707	1SS133	SI.DIODE ROHM	G
	D707	1SS133	SI.DIODE ROHM	U
	D707	1SS133	SI.DIODE ROHM	UT
	D708	1SS133	SI.DIODE ROHM	BS
	D708	1SS133	SI.DIODE ROHM	EF
	D708	1SS133	SI.DIODE ROHM	EN
	D708	1SS133	SI.DIODE ROHM	G
	D708	1SS133	SI.DIODE ROHM	U
	D708	1SS133	SI.DIODE ROHM	UT
	D710	SLA-580LT70F124	L.E.D. ROHM	BS
	D710	SLH-56VCF07	L.E.D. ROHM	EF
	D710	SLH-56VCF07	L.E.D. ROHM	EN
	D710	SLH-56VCF07	L.E.D. ROHM	G
	D710	SLH-56VCF07	L.E.D. ROHM	U
	D710	SLH-56VCF07	L.E.D. ROHM	UT

⚠ : SAFETY PARTS

Capacitors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C271	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	G
	C272	QCVB1CM-103Y	0.01MF 16V CER.CAPACI	G
	C273	QCHB1EZ-223	0.022MF 25V CER.CAPACI	
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	BS
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	EF
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	EN
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	G
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	U
	C701	QER51HM-475	4.7MF 50V AL E.CAPAC	UT
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	BS
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	EF
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	EN
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	G
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	U
	C702	QER51HM-475	4.7MF 50V AL E.CAPAC	UT
	C703	QER51EM-106	10MF 25V E.CAPACITO	BS
	C703	QER51EM-106	10MF 25V E.CAPACITO	EF
	C703	QER51EM-106	10MF 25V E.CAPACITO	EN
	C703	QER51EM-106	10MF 25V E.CAPACITO	G
	C703	QER51EM-106	10MF 25V E.CAPACITO	U
	C703	QER51EM-106	10MF 25V E.CAPACITO	UT

⚠ : SAFETY PARTS

Resistors

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R270	QVAB79C-E53C	5K VARIABLE	
	R271	QRD161J-390	39 1/6W CARBON RES	
	R272	QRD161J-390	39 1/6W CARBON RES	
	R273	QRD161J-270	27 1/6W CARBON RES	
	R274	QRD161J-270	27 1/6W CARBON RES	
	R701	QRD161J-331	330 1/6W CARBON RES	

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E306904-001SS	DISPLAY HOL	
		E306805-010	SPACER	
		E306805-134	SPECER	BS
		E306805-134	SPECER	EF
		E306805-134	SPECER	EN
		E306805-134	SPECER	G
		E306805-134	SPECER	U
		E306805-134	SPECER	UT
	J271	QMS6A40-E20G	HEADPHONE J	
	P271	EMV7112-003R	CONNECT TER	BS
	P271	EMV7112-003R	CONNECT TER	EF
	P271	EMV7112-003R	CONNECT TER	EN
	P271	EMV7112-003R	CONNECT TER	G
	P271	EMV7112-003R	CONNECT TER	U
	P271	EMV7112-003R	CONNECT TER	UT
	P701	EMV7123-032R	CONNECT TER	
	P702	EMV5120-008	CONNECT TER	BS
	P702	EMV5120-008	CONNECT TER	EF
	P702	EMV5120-008	CONNECT TER	EN
	P702	EMV5120-008	CONNECT TER	G
	P702	EMV5120-008	CONNECT TER	U
	P702	EMV5120-008	CONNECT TER	UT
	P703	EMV7120-008	CONNECT TER	BS
	P703	EMV7120-008	CONNECT TER	EF
	P703	EMV7120-008	CONNECT TER	EN
	P703	EMV7120-008	CONNECT TER	G
	P703	EMV7120-008	CONNECT TER	U
	P703	EMV7120-008	CONNECT TER	UT
	S701	QSQ1001-E01ZA	PUSH SWITCH	
	S702	QSQ1001-E01ZA	PUSH SWITCH	
	S703	QSQ1001-E01ZA	PUSH SWITCH	
	S704	QSQ1001-E01ZA	PUSH SWITCH	
	S705	QSQ1001-E01ZA	PUSH SWITCH	
	S706	QSQ1001-E01ZA	PUSH SWITCH	
	S707	QSQ1001-E01ZA	PUSH SWITCH	
	S708	QSQ1001-E01ZA	PUSH SWITCH	BS
	S708	QSQ1001-E01ZA	PUSH SWITCH	EF
	S708	QSQ1001-E01ZA	PUSH SWITCH	EN
	S708	QSQ1001-E01ZA	PUSH SWITCH	G
	S708	QSQ1001-E01ZA	PUSH SWITCH	U
	S708	QSQ1001-E01ZA	PUSH SWITCH	UT
	S709	QSQ1001-E01ZA	PUSH SWITCH	BS
	S709	QSQ1001-E01ZA	PUSH SWITCH	EF
	S709	QSQ1001-E01ZA	PUSH SWITCH	EN
	S709	QSQ1001-E01ZA	PUSH SWITCH	G
	S709	QSQ1001-E01ZA	PUSH SWITCH	U
	S709	QSQ1001-E01ZA	PUSH SWITCH	UT
	S710	QSQ1001-E01ZA	PUSH SWITCH	BS
	S710	QSQ1001-E01ZA	PUSH SWITCH	EF
	S710	QSQ1001-E01ZA	PUSH SWITCH	EN
	S710	QSQ1001-E01ZA	PUSH SWITCH	G
	S710	QSQ1001-E01ZA	PUSH SWITCH	U
	S710	QSQ1001-E01ZA	PUSH SWITCH	UT
	S711	QSQ1001-E01ZA	PUSH SWITCH	BS
	S711	QSQ1001-E01ZA	PUSH SWITCH	EF
	S711	QSQ1001-E01ZA	PUSH SWITCH	EN
	S711	QSQ1001-E01ZA	PUSH SWITCH	G
	S711	QSQ1001-E01ZA	PUSH SWITCH	U
	S711	QSQ1001-E01ZA	PUSH SWITCH	UT
	S712	QSQ1001-E01ZA	PUSH SWITCH	BS
	S712	QSQ1001-E01ZA	PUSH SWITCH	EF
	S712	QSQ1001-E01ZA	PUSH SWITCH	EN
	S712	QSQ1001-E01ZA	PUSH SWITCH	G
	S712	QSQ1001-E01ZA	PUSH SWITCH	U
	S712	QSQ1001-E01ZA	PUSH SWITCH	UT
	S713	QSQ1001-E01ZA	PUSH SWITCH	BS
	S713	QSQ1001-E01ZA	PUSH SWITCH	EF
	S713	QSQ1001-E01ZA	PUSH SWITCH	EN
	S713	QSQ1001-E01ZA	PUSH SWITCH	G
	S713	QSQ1001-E01ZA	PUSH SWITCH	U
	S713	QSQ1001-E01ZA	PUSH SWITCH	UT
	S714	QSQ1001-E01ZA	PUSH SWITCH	BS
	S714	QSQ1001-E01ZA	PUSH SWITCH	EF
	S714	QSQ1001-E01ZA	PUSH SWITCH	EN
	S714	QSQ1001-E01ZA	PUSH SWITCH	G
	S714	QSQ1001-E01ZA	PUSH SWITCH	U
	S714	QSQ1001-E01ZA	PUSH SWITCH	UT
	S715	QSQ1001-E01ZA	PUSH SWITCH	BS
	S715	QSQ1001-E01ZA	PUSH SWITCH	EF
	S715	QSQ1001-E01ZA	PUSH SWITCH	EN

⚠ : SAFETY PARTS

Others

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	S715	QSQ1001-E01ZA	PUSH SWITCH	G
	S715	QSQ1001-E01ZA	PUSH SWITCH	U
	S715	QSQ1001-E01ZA	PUSH SWITCH	UT
	S716	QSQ1001-E01ZA	PUSH SWITCH	BS
	S716	QSQ1001-E01ZA	PUSH SWITCH	EF
	S716	QSQ1001-E01ZA	PUSH SWITCH	EN
	S716	QSQ1001-E01ZA	PUSH SWITCH	G
	S716	QSQ1001-E01ZA	PUSH SWITCH	U
	S716	QSQ1001-E01ZA	PUSH SWITCH	UT
	S717	QSQ1001-E01ZA	PUSH SWITCH	BS
	S717	QSQ1001-E01ZA	PUSH SWITCH	EF
	S717	QSQ1001-E01ZA	PUSH SWITCH	EN
	S717	QSQ1001-E01ZA	PUSH SWITCH	G
	S717	QSQ1001-E01ZA	PUSH SWITCH	U
	S717	QSQ1001-E01ZA	PUSH SWITCH	UT
	S718	QSQ1001-E01ZA	PUSH SWITCH	BS
	S718	QSQ1001-E01ZA	PUSH SWITCH	EF
	S718	QSQ1001-E01ZA	PUSH SWITCH	EN
	S718	QSQ1001-E01ZA	PUSH SWITCH	G
	S718	QSQ1001-E01ZA	PUSH SWITCH	U
	S718	QSQ1001-E01ZA	PUSH SWITCH	UT
	S721	QSQ1001-E01ZA	PUSH SWITCH	
	S722	QSQ1001-E01ZA	PUSH SWITCH	
	S723	QSQ1001-E01ZA	PUSH SWITCH	
	S724	QSQ1001-E01ZA	PUSH SWITCH	
	S725	QSQ1001-E01ZA	PUSH SWITCH	
	S726	QSQ1001-E01ZA	PUSH SWITCH	
	S727	QSQ1001-E01ZA	PUSH SWITCH	
	S728	QSQ1001-E01ZA	PUSH SWITCH	
	S729	QSQ1001-E01ZA	PUSH SWITCH	
	S730	QSQ1001-E01ZA	PUSH SWITCH	
	S731	QSQ1001-E01ZA	PUSH SWITCH	
	FL	ELU0001-179	FLUORESCENT	

⚠ : SAFETY PARTS

Accessories

Symbol No. M 15 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	E30580-2148ABS	INSTRUCTION BOOK	1		BS
		E30580-2149A	INSTRUCTION BOOK	1		EF
		E30580-2150A	INSTRUCTION BOOK	1		EN
		E30580-2149A	INSTRUCTION BOOK	1		G
		E30580-2147A	INSTRUCTION BOOK	1		U
		E30580-2147A	INSTRUCTION BOOK	1		UT
⚠	2	QMP5520-1835BS	POWER CORD	1		BS
⚠		QMP39F0-183	POWER CORD	1		EF
⚠		QMP39F0-183	POWER CORD	1		EN
⚠		QMP39F0-183	POWER CORD	1		G
⚠		QMP7530-183	POWER CORD	1		U
⚠		QMP7530-183	POWER CORD	1		UT
	3	E300196-010B	ENVELOPE	1		BS
	4	EWP302-011	SIGNAL CORD	1		
	5	EWP805-001	SIGNAL CORD	1		
	6	RM-SX215U	WIRE-LESS REMOTE CONTROL	1		
	7	R6PRPA-2STSA	BATTERY	1		BS
	8	25-0218A	BATTERY COVER	1		BS
	9	E300196-010B	ENVELOPE	1		
	10	E43486-340A	SAFETY SHEET	1		BS
	11	BT20060	WARRANTY CARD	1		BS
	12	BT-20066A	WARRANTY CARD	1		BS
	13	BT-20134	WARRANTY CARD	1		G
	14	ENZ2203-001	ADAPTOR PLUG	1		U
		ENZ2203-001	ADAPTOR PLUG	1		UT

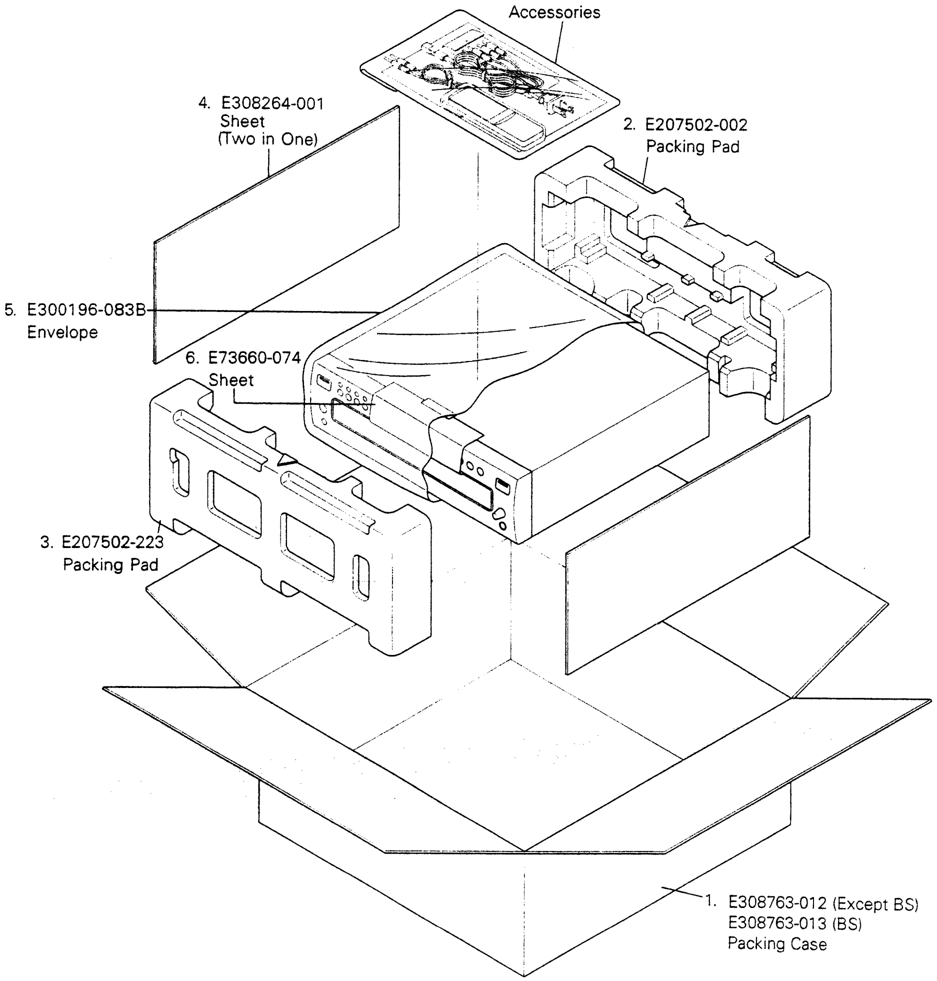
⚠ : Safety Parts

The Marks for Designated Areas

BS .... the U.K
EF .... Continental Europe
EN .... Scandinavia
G ..... Germany
U .... Universal Type
UT .... Taiwan
No mark indicates all area.

Packing Materials and Part Numbers

Symbol No. M 16 M M


Accessories
4. E308264-001
Sheet
(Two in One)
2. E207502-002
Packing Pad
5. E300196-083B
Envelope
6. E73660-074
Sheet
3. E207502-223
Packing Pad
1. E308763-012 (Except BS)
E308763-013 (BS)
Packing Case

Designated Areas

BS ..	the U.K.	EF ...	Continental Europe	EN ...	Scandinavia
G ...	Germany	U	Universal Type	UT	Taiwan

No mark indicates all areas.